

HEADQUARTERS
AMC BALLISTIC MISSILES CENTER
UNITED STATES AIR FORCE
Air Force Unit Post Office
Los Angeles 45, California

REPLY TO
ATTN OF LBJ/2712

SUBJECT: Weekly Diary, 14 August - 20 August 1959

TO: LBG

Satellite Systems Program

DOWNGRADED AT 12 YEAR
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DECLASSIFIED 300 D/R 5200.10

1. MIDAS Approval: ~~(SECRET)~~

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TWX directive from ARPA states that MIDAS Phase II is approved for six additional shots. FY 60 funds have also been approved to cover both Phases I and II, although the amount is not quite adequate to do all that should be done. Phase III is not approved at this time, and efforts in this connection are limited to planning and studies only. Facilities required to protect necessary lead time may be authorized subject to individual justification and review.

The above directive requires immediate implementation and a reorientation of the present effort. This action will not be too difficult, since the program is on letter contract and costs have not been negotiated.

2. TGSE Cost Review: (UNCL)

Recently, members of this office conducted a review of fabrication and assembly costs of TGSE required on the next contract period. As a follow-on to this, a review of development TGSE cost was conducted by a team consisting of a member from this office and the responsible personnel from WDZT. The major questionable area revealed during this review was the apparent over-estimate of support requirement for the prime TGSE development department. The contractor will re-evaluate this area in an attempt to justify his existing estimate or present a revised estimate.

3. Acceptance of Discoverer Flight Test Vehicle No. 1054: ~~(SECRET)~~

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The twelfth Discoverer Flight Test Vehicle, No. 1054, was accepted by the Air Force Acceptance Team on 14 August 1959. This vehicle is tentatively scheduled for launch from Vandenberg AFB in October.

4. Overtime Utilization on Satellite System Programs: (UNCL)

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The rate of overtime utilized by Lockheed Missiles and Space Division on the satellite system programs for July 1959 was 10.1%, as compared to 15.4% for June 1959. Forecasted rates for the next three months are as follows: August, 13.5%; September, 10%; October, 8%.

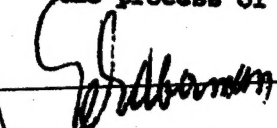
59LBJ-3963

5. Review of IMSD Master Scheduling and Change Control Procedures: (UNCL)

A joint BMD-BMC committee conducted a review of the IMSD master scheduling and change control procedures during the period 17-19 Aug 59. The general findings of this committee were that the contractor had instituted working procedures and, with minor refinements which are being incorporated as experience is gained, has corrected the condition reported by the Management Survey Team during their investigations of 25-29 Aug 58 and 20-22 Apr 59. The contractor's procedures in these areas are considered adequate and no further action is required outside of normal WSFO and AFPR surveillance of the contractor's operation.

6. Strike at Imperial Electric Co., Akron, Ohio: (UNCL)

Information received by BMD from ARPA and subsequently coordinated with BMC indicates that a strike is in progress at the Imperial Electric Co., Akron, Ohio. This supplier is manufacturing electric motors and other electric components in support of the Ft. Arguello launch complex construction under Navy Bureau of Yards and Docks Contract NBY-19453. ARPA requested AF certification that satellite launch schedules from this complex were of such urgency that it would necessitate the Navy processing certificates of removal of equipment from a strike bound plant in order to maintain overall program schedules. It is understood that the BMD satellite project office is now in the process of coordinating and confirming this necessary certification.


JAMES S. SEAY
Lt Colonel, USAF
Director, Satellite Systems

cc: IBL, LBP, LBR

59LEJ-3963

HEADQUARTERS
AMC BALLISTIC MISSILES CENTER
UNITED STATES AIR FORCE
Air Force Unit Post Office
Los Angeles 45, California

REPLY TO
ATTN OF LBJ/2712

13 August 1959

SUBJECT: Weekly Diary, 7 August - 13 August 1959

TO: LBG

DOWNGRADED AT 12 YEAR
INTE VA S. H. 2. 11. 0. 2A. ICALLY
DECLASSIFIED ON 11/01/2010

Satellite Systems Program

1. Additional Facility Requirements at Santa Cruz: ~~(SECRET)~~

S A message was prepared for Colonel Evan's signature and sent to Hq USAF 11 August 1959 again requesting procurement authorization to expand the capability of the Santa Cruz Test Facility. Lockheed's present test capability will be totally saturated by DISCOVERER and SENTRY programs alone by July 1960. Additional facilities will be required for MIDAS programs and the communications satellite by 1 July 1960.

2. Application of Exhibit MCP 71-673 to SENTRY contract: (UNCL)

S On 5 August 1959 a meeting was held at SBAMA with representatives of LSM (SBAMA), WSM (SBAMA) and BMC attending. Purpose of meeting was to discuss application of Exhibit MCP 71-673 to proposed SENTRY contract. Although a draft of a new spares exhibit has been written by SBAMA, it was concluded that time would not permit its use as command coordination and approval is necessary. Therefore, MCP 71-673 would be used in its present form and later amended to obtain requirements to meet IOC II conditions.

3. Review of Logistics Exhibits: (UNCL)

A meeting was held at TRW 10-12 August 1959 for the purpose of discussing the details of all of the logistics exhibits that had been presented to the contractor for his review as the result of the Subsystem I Logistics Conference. Purpose of this meeting was to clarify and/or answer any questions the contractor may have had and to assist him in the preparation of a reasonable effort in support of these exhibits. The LSM, in conjunction with BMC staff and BMD personnel, provided personnel to discuss specific exhibit application. In addition, the LSM presented the contractor with an orientation of AMC cataloguing and of an identification procedure. It is intended that as a result of this meeting the contractor will be in a position to present his interpretation and his comments regarding the application of these exhibits in order that they may be considered for incorporation into a contract to be negotiated sometime in September or October.

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[REDACTED] [REDACTED]

4. Subsystem I: ~~(SECRET)~~

AFBMD is currently reviewing Subsystem I program for the purpose of determining the impact that the installation of equipment scheduled for installation in DSL at Denver would have on the program if it were to be installed at the Intelligence Processing Center (IPC). This consideration is based on the fact that the Air Force is interested in utilizing what data this equipment might produce as early as possible by an Air Force activity. A brief meeting with Subsystem I BMD personnel indicated that there was a certain amount of acceleration in the R&D program, however, at this time it in no way changes dates for planned AMC support of the program.

5. MIDAS Approval: ~~(CONF)~~

5 The MIDAS Development Plan is arranged so that the work is performed in phases which lead from R&D through to ultimate operation. To date ARPA has approved only Phase I. A GOR is in effect which establishes certain launch schedules, which cannot be met unless additional approval is obtained, together with the funds that pertain thereto. This dilemma has been under discussion between the Air Force and ARPA. During a recent presentation through Dr. York he recommended different conceptual approach which would eliminate the phased steps, instead the program would be divided into an R&D program and an operational program. With this changed approach the indication was that funds would be provided for FY-60. Although, no formal approval has been obtained, it is the opinion that this plan will result in approval.

6. 2nd Stage Communication Satellite: ~~(CONF)~~

The Buyer has been conducting conferences with BMD concerning a simplification of the 2nd stage communication satellite work statement. The purpose of these discussions is to utilize the AGENA vehicle with a minimum of modification to adapt it to communication satellite missions.

7. 6594th Test Wing: (UNCL)

5 Some difficulty is being experienced in providing space for the Wing. This difficulty pertains largely to the administrative elements of the Wing, since provisions are adequate for the operational elements. Consideration is being given to space in Lockheed buildings, but such space is extremely scarce. Consideration is also being given to leasing of a building in the vicinity of Sunnyvale for this purpose. The ultimate

[REDACTED] [REDACTED]

decision in this matter will affect the type of funds required. The critical aspect of this problem is that quarters must be provided before the end of CY-59.

James S. Seay
JAMES S. SEAY

Lt Colonel, USAF
Director, Satellite Systems

cc: LBL, LBP, LBR

HEADQUARTERS
AMC BALLISTIC MISSILES CENTER
UNITED STATES AIR FORCE
Air Force Unit Post Office
Los Angeles 45, California

REPLY TO
ATTN OF: LBJ/2712

6 August 1959

SUBJECT: Weekly Diary, 31 July-6 August 1959

TO: LBG

DOWNGRADED AT 12 YEAR
INTERVALS AUTOMATICALLY
DECLASSIFIED ON 01-01-2001

Satellite Systems Program

1. Visit of Maj Gen Senter to IMSD: (UNCL)

A representative of this office accompanied Maj Gen Senter in his visit to the IMSD facility on 5 August 1959. A resumé of the satellite systems program was given to Gen Senter, as well as a tour of the facility. Gen Senter's primary concern which he expressed to Lockheed was the need for all contractors to ensure that their purchasing and subcontracting procedures were of the highest order.

2. Follow-on Program: (UNCL)

A meeting was held on 6 August 1959 with representatives from the AFPRO, contractor and AFEMD, relative to a number of problems related to the follow-on program. It has been proposed by the contractor that the cost proposal be resubmitted due to the number of changes that have occurred subsequent to its submittal.

3. Acceptance of Discoverer Flight Test Vehicle No. 1052: (SECRET)

The eleventh Discoverer Flight Test Vehicle, No. 1052, was accepted by the Air Force Acceptance Team on 3 August 1959. This vehicle is tentatively scheduled for launch from Vandenberg AFB in September 1959.

4. R&D Spares Support: (UNCL)

Spares support for the follow-on contract period will be procured on a six month basis rather than the full 18 month package. It is intended that the contractor will submit a representative priced list outlining his requirement for the six (6) months period. The list will be reviewed and used as the justification for the spares cost. Changes to the list necessitated by equipment changes will not require contractual action.

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P The contractors facility at VAFB was reviewed to obtain an estimate of spares dollar value on the shelves. It was felt that this site would be indicative of all locations as approximately 35% of the total spares effort is required in support of VAFB. Physical inventories are in the process of being accomplished and it is expected that the results will be instrumental in determining the follow-on requirements.

James S. Seay
JAMES S. SEAY
Lt Colonel, USAF
Director, Satellite Systems

cc: LBL, LBP, LBR

HEADQUARTERS
AMC BALLISTIC MISSILES CENTER
UNITED STATES AIR FORCE
Air Force Unit Post Office
Los Angeles 45, California

REPLY TO
ATTN OF:

IBJ/2712

30 July 1959

SUBJECT: Weekly Diary - 24/30 July 1959

TO: IBG

DOWNGRADED AT 12 YEAR
INTERVALS; NOT AUTOMATICALLY
DECLASSIFIED. DOD DIR. 5200.10

Satellite Systems Program

1. Communications Satellite Work Statement: ~~(SECRET)~~

A preliminary work statement has been received for the second stage of the Communications Satellite. This office is working with the Directorate of Communications, WDCSC, with respect to the details before sending the subject work statement to IMSD for a proposal.

2. FY-60 Financial Plan/FY-61 Budget Estimate: ~~(SECRET)~~

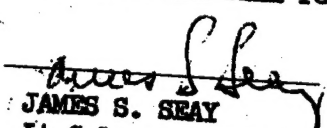
Presentations were made to the Weapons Board, Air Council, and the ARPA at Headquarters USAF during the week of 20 July 1959. Two elements of the financial plan were not approved and, as such, formal approval of the FY-60 Financial Plan has not been received. The two elements in question are the Sentry recovery capsule and Phase II of MIDAS.

3. TGSE Cost Review: (UNCL)

Recently members of this office visited the contractor to review the fabrication and assembly costs for Test GSE required during the next contract period. The areas covered included both the subcontract and in-house efforts. A sampling of approximately 21 items was used to determine the adequacy of the contractor's method of estimating. At least 90% of the items sampled appeared to be anywhere from 25 to 100% high. In a few cases the estimate could be considered even higher. In addition to the apparent over-estimating, mistakes in the cost proposal figures were detected. This review was considered to be very rewarding and will undoubtedly result in a reduction to the fabrication and assembly costs for TGSE.

5. GFP Requirements for Contract AFO4(647)-347: (UNCL)

This Directorate is in the process of compiling a master GFP listing in support of the above contract. This listing will consist of items previously furnished under Exhibit 57-21A of Contract AFO4(647)-97 and also new items which are required for Contract -347. This revised listing will be negotiated during the forthcoming -347 contract negotiations and will result in an exhibit to the contract.


JAMES S. SEAY
Lt Colonel, USAF
Director of Satellite
Systems

cc: IBL, LBP, LBR

HEADQUARTERS
AMC BALLISTIC MISSILES CENTER
UNITED STATES AIR FORCE
Air Force Unit Post Office
Los Angeles 45, California

REPLY TO
ATTN OF: LBJ/2712

23 July 1959

SUBJECT: Weekly Diary - 17-23 July 1959

TO: LEG

Satellite Systems Program

DOWNGRADED AT 12 YEAR
INTERVALS NOT AUTOMATICALLY
DECLASSIFIED. DOD DIR 5200.10

1. SENTRY, MIDAS Guidance: ~~(SECRET)~~

Action is being taken by WDWZ to provide MOD III guidance for all launches from VAFB as soon as possible after 1 January 1960. This requires BMD to take necessary action to obtain MOD III ground equipment from Hancock Field and the tracking antenna from Air Training Command (ATC) at Keesler AFB. It is anticipated that this equipment, plus some new components to complete the system can be made available to VAFB by October 1960. This action, coupled with appropriate action for site selection, equipment installation, etc., could provide this program with an operational MOD III guidance system as early as March 1961, but more assuredly around June 1961. The impact of providing MOD III guidance for this program as early as June 1961 will negate consideration for logistical support MOD II guidance in support of this program after this date as previously planned.

2. Impact Study - Steel Strike: (UNCL)

LMED has submitted an impact study regarding the effect of the steel strike on satellite system programs being processed at the Lockheed facility at Sunnyvale. Indications are that very little or no impact will be evident during a strike of 90 days duration or less. Close surveillance of the impact if the strike should continue and subsequent reports will be furnished as applicable.

3. Acceptance of Discoverer Flight Test Vehicle #1050: ~~(SECRET)~~

The tenth Discoverer Flight Test Vehicle, No. 1050, was accepted by the AF Acceptance Team on 21 July 1959. The firing schedule for this vehicle is undetermined at this time due to certain technical factors which are requiring firing schedule reorientation.

4. System Design Review: (UNCL)

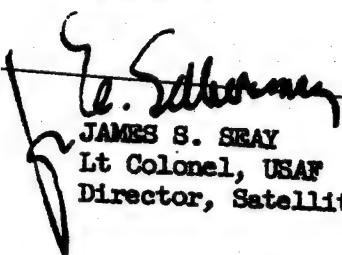
The contractor, together with BMD, has been planning to hold a System Design Review, particularly of the DISCOVERER program. If the objectives of this review are to be accomplished, the review should be held at an early date. However, there was some question in BMD as to the nature of this display, and contractor was asked to defer further activities in connection with it.

[REDACTED]

It now appears that the difficulties have been resolved and the contractor will be asked to proceed shortly. This review is considered an additional requirement to their letter contract, and upon receipt of the work statement, an appropriate amendment will be written to L/C AFO4(647)-347.

5. Satellite Systems Control and Communications (Subsystem "H"): (UNCL)

For sometime there has been concern about the contractor's approach to Subsystem "H". This area of the program is complex and involves a considerable sum of money. The contractor has not furnished a detailed plan to show how he intends to handle this problem and his method of integration of these functions. In view of the fact that definitive negotiations are impending, it is considered essential that this portion of the contract be thoroughly understood by all parties. It was, therefore, necessary to request that the contractor suspend award of the subcontracts and fabrication of hardware until a fully integrated plan has been reviewed by EMD. Contractor is now working on this plan, and it is hoped that the matter can be resolved without jeopardy to the program schedules.


JAMES S. SEAY
Lt Colonel, USAF
Director, Satellite Systems

cc: LEP, LBR, LBL

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AMC BALLISTIC MISSILES CENTER
UNITED STATES AIR FORCE
Air Force Unit Post Office
Los Angeles 45, California

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REPLY TO
ATTN OF:

LBJ/2712

16 July 1959

SUBJECT:

Weekly Diary - 10-16 July 1959

TO:

LBG

Satellite Systems

1. Overtime Utilization on Satellite System Programs: (UNCL) DSD

D The rate of overtime utilized by Lockheed Missiles and Space Division on the satellite system programs for June 1959 was 15.4%, as compared to 14.0% for May. LMSD is aiming at reducing this percentage figure to 14.6% in July.

2. Impact Study - Steel Strike: (UNCL)

LMSD has been requested to submit an impact study by 16 July 1959 regarding the general steel strike which is now in progress. Earlier conversations with the contractor indicate very little impact is anticipated on an immediate basis. Subsequent information will be supplied as it becomes available.

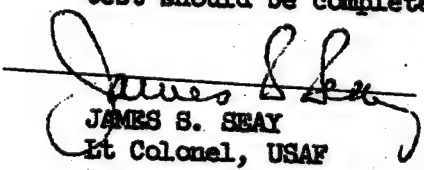
3. Development Control Center Equipment Requirements: (UNCL)

BMD/BMC project personnel convened with Lockheed 13 and 14 July 1959 for purposes of reviewing the details of the DCC equipment requirements. The initial list submitted by LMSD contained equipment in the following categories: maintenance and test equipment, office and administrative support equipment, and utility and installation equipment. At this meeting it was generally concluded that test and maintenance equipment support will be considered under the LMSD contracted test effort, general utilities will be incorporated in the installations and the final office and administrative support requirements will be handled under GFP. Project office is presently in the process of establishing the procedures in obtaining the GFP requirements.

4. Oscillation Testing of Second Stage Vehicle at DAC: (UNCL)

LMSD is preparing a second stage satellite vehicle for subsequent oscillation testing by Douglas Aircraft Corporation at the Santa Monica plant. The vehicle is anticipated to be delivered to DAC on 20 July 59

and after testing will be returned to IMSD. It is expected that the test should be completed by approximately 1 August 1959.


JAMES S. SEAY
Lt Colonel, USAF
Director of Satellite
Systems

cc: LBP, LBR, LBL

HEADQUARTERS
AMC BALLISTIC MISSILES CENTER
UNITED STATES AIR FORCE
Air Force Unit Post Office
Los Angeles 45, California

REPLY TO
ATTN OF:

IBJ/2712

9 July 1959

SUBJECT: Weekly Diary - 3-9 July 1959

TO: IBG

DOWNGRADED AT 12 YEAR
INTERVALS; NOT AUTOMATICALLY
DECLASSIFIED SINCE 01-5200.10

Satellite Systems

1. L/C AFO4(647)-347 Definitization: (UNCL)

Procurement plan for definitization of this letter contract contemplated commencement of negotiations 13 Jul 59. The contractor's proposals were evaluated and it was noted that the subcontracting costs were not supported by sufficient material to perform adequate analysis. It was also noted that five of the major proposed subcontracts amount to over 25% of the total program costs. It was determined that a complete cost analysis of these five subcontracts should be performed. This course of action was considered to be appropriate also in view of the fact that there is a possibility of a reorientation taking place in the overall Lockheed program. Thus, these two situations, i.e., analysis of subcontracts and possible reorientation, make a certain delay in definitization desirable.

2. Contract AFO4(647)-97 Overrun: (UNCL)

The contractor advises that an overrun in the amount of \$4.3M has been incurred. He states that an additional \$2.0M will be required to complete the contract, but it is assumed this amount is actually new work which should be fee-bearing. This latter assumption is questionable and the project office is examining it. Meanwhile, it appears necessary to fund the \$4.3M portion of the overrun at once, and, upon proper determination of the \$2.0M, it will be funded either as an overrun or as an engineering change, as the circumstances dictate.

3. Satellite Systems Budget Responsibilities Meeting: (UNCL)

On 1 Jul 59 a meeting was held between BMD, BMC and SMAMA/ISM to determine budgeting responsibilities for the various cost elements of the space satellite systems programs through FY-61. After reaching agreement on this subject, a memo of understanding was published for the benefit of the ISM, to be used as a guide in preparing budget estimates whose responsibility was determined to be that of the ISM's.

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4. Santa Cruz Test Facility Industrial Facility Requirements: (UNCL)
A follow-up message was forwarded to Hq USAF by IBBW requesting an answer to their previous request for approval of funds to provide two additional static test stands at the Lockheed Santa Cruz facility. Information indicates that Hq USAF has approved Phase III of the MIDAS program, in support of which these facilities were justified. However, funding approval for this program is being withheld pending concurrence of the Department of Defense in the Phase III MIDAS Program. No slippage in the MIDAS program can be attributed to the lack of this facility approval at this time. However, as pointed out to BMD by separate memo, other projects for which development plans are in preparation cannot be accomplished by IMSD without additional test facilities at Santa Cruz.

5. Sentry System Design Review Meeting: (UNCL)

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The second scheduled meeting on this subject was held on 30 Jun 59 at IMSD. The primary purposes of the meeting were to review and inspect the space problems, summarize the proposed display items, and discuss the costs related to the preparation and conducting of the SDR. Since this meeting the contractor has presented a preliminary draft of the cost proposal; this draft was not satisfactory for negotiation purposes. The contractor was directed to work up a more definitive proposal which will clearly outline and justify the efforts and funds required. It is expected that this action will be complete by the end of this week.

6. Sentry 6594th Wing UAL: ~~(SECRET)~~

The first administrative UAL for the 6594th Wing has been published by Hq ARDC for the AFEMD. This UAL consists of the common administrative type equipments required in support of the wing activation at Palo Alto.

James S. Seay
JAMES S. SEAY
Lt Colonel, USAF
Director of Satellite
Systems

cc: IBP, IBR, IBL

HEADQUARTERS
AMC BALLISTIC MISSILES CENTER
UNITED STATES AIR FORCE
Air Force Unit Post Office
Los Angeles 45, California

REPLY TO
ATTN OF: LBJ/2712

2 July 1959

SUBJECT: Weekly Diary - 26 June thru 2 July 1959

TO: LBG

DOWNGRADED AT 12 YEAR
INTERVALS; NOT U.S. ONLY
DECLASSIFIED. DOD DIR 5200.10

Satellite Systems

1. Review of Logistic Exhibits: (UNCL)

A meeting was held at IMSD to discuss the details of all the logistic exhibits that had been presented to the contractor for his review. The purpose of this meeting was to clarify or answer any questions the contractor may have and assist him in preparing a reasonable effort in support of these exhibits.

The LSM provided the personnel for discussing the exhibits. In addition to this, the LSM presented the contractor with an orientation of AMC cataloguing and identification procedures. It is intended that as a result of this meeting, the contractor will present his comments in writing by 29 June 1959 and the next step will be incorporation of the exhibits into the contract.

2. Acceptance of Discoverer Flight Test Vehicle: (SECRET)

The ninth Discoverer flight test vehicle No. 1051 was accepted by the Air Force Acceptance Team on 30 June 59. This vehicle is tentatively scheduled for launch from Vandenberg AFB in August.

3. Follow-on Contract for Sentry, Midas and Discoverer: (UNCL)

In view of the fact that most of the effort on the subject programs was completed 30 June, it was essential that a follow-on contract be awarded 1 July. This was accomplished by means of a letter contract, with a token amount of money for FY 60. Additional funds for at least the month of July have been requested, but have not been received to date. This letter contract is expected to be definitized within 60 days, and a meeting is scheduled for 7 July to establish in-house positions in connection with the negotiation.

JAMES S. SEAY
Lt Colonel, USAF
Director, Satellite Systems

59LBJ-3927

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HEADQUARTERS
AMC BALLISTIC MISSILES CENTER
UNITED STATES AIR FORCE
Air Force Unit Post Office
Los Angeles 45, California

REPLY TO
ATTN OF: LBJ/2712

25 June 1959

SUBJECT: Weekly Diary - 18 thru 25 June 1959

TO: LBG

1. Overtime Utilization: (UNCL)

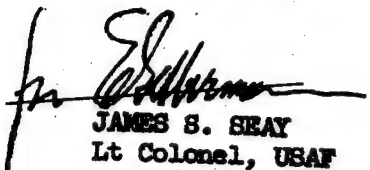
✓ The rate of overtime utilized by Lockheed Missiles and Space Division on the Satellite Program for May 1959 was 14.0%, as compared to 13.2% for April 1959. It is anticipated that the percentages for June will decrease slightly.

2. AMC Budget Exercise: (UNCL)

✓ The LSM submitted its budget for FY61 to the AMC review group. Some problems developed in respect to the SENTRY Annex. Part of the difficulty was created by the security level involved in this program, which prevented detailed discussion of the requirements. A presentation was made to the review group separate from the budget hearings, and some additional information will be provided which, it is hoped, will result in acceptance of these figures.

3. System Design Review Meeting: (UNCL)

A meeting was held on 16 June 1959 at LMED to discuss the requirements for a System Design Review of the SENTRY System to be held at LMED the 5th of October. This meeting was chaired by a BMD representative and attended by all major subcontractors involved. The primary purpose of this meeting was to discuss what equipment would be available for display purposes and what mock-ups or models would be required. In addition to this a milestone chart of actions required was established. It is intended that the second meeting on this subject will be held on 29 June 1959.


JAMES S. SEAY
Lt Colonel, USAF
Director, Satellite Systems

Copies to: LBP, LBR, LBL

HEADQUARTERS BALLISTIC MISSILES CENTER
AIR MATERIEL COMMAND
UNITED STATES AIR FORCE
Air Force Unit Post Office
Los Angeles 45, California

Address reply to the attention of:

IBJ/2712

SUBJECT: Weekly Diary - 29 May thru 4 June 1959

TO: IBG

4 June 1959

DECLASSIFIED AT 12 YEAR
INTERVALS; NOT U.S. A. I. C. A. L. L. Y
DECLASSIFIED. DOD Dir 5200.10

1. Acceptance of DISCOVERER Flight Test Vehicle No. 7: (SECRET)

Discoverer Flight Test Vehicle No. 7 was accepted by the AF Team on 1 June 59 and subsequently shipped to the launch base on 2 June 59. The vehicle is presently scheduled for launch on 16 July 59. Since DISCOVERER III was launched on 3 June, there still remain three accepted vehicles at the launch base in various stages of launch preparation.

2. Overtime Utilization: (UNCL)

The rate of overtime utilized by Lockheed Missiles and Space Division on the Satellite Program for April 59 was 11.7%, as compared to 11.6% for March 59. Manhour utilization, however, was considerably higher than the previous month due to April being a twenty-five day work month.

3. Impact Study: (UNCL)

IMSD has been requested to perform an impact study regarding the potential Columbia Broadcasting Studio strike. CBS is a second tier subcontractor to Eastman Kodak and is processing electronic equipment for Subsystem E in support of the Satellite Program.

4. Status of Contractual Actions for FY 60: (UNCL)

Contract AF 04(647)-97: This contract provides for Sentry, Discoverer and Midas programs, through 30 June 59. However, due to an overrun of time, the completion of this work is now scheduled for approximately 30 August 59.

I/C AF 04(647)-347: This letter contract presently provides for some relatively minor new items of work. It is contemplated that the follow-on effort which must begin 1 July, will be added to this contract by an amendment thereto. This action is made necessary by the late arrival of proposals for a definitive follow-on contract. These definitive follow-on proposals are presently being evaluated and it is hoped that the effort under

[REDACTED] [REDACTED]

Letter Contract AF-347 will be definitized in two or three months. This contract will include five items of work as follows:

1. Sentry R&D Program and TGSE
2. Discoverer Program and TGSE
3. Midas Program and TGSE
4. Tracking Network, Development Control Center, and Launch Operations
5. Spare Parts

5. Sentry Operational Program: (UNCL)

Contractual action will be initiated for the procurement of the Sentry Operational Program in July 1959. Request for proposal has been forwarded to the contractor and it is expected that a letter contract will be required for this procurement.

6. Spares Listing: (UNCL)

This office received the Spare Parts List from the contractor on 29 May 1959. It consisted of an interim listing of all spare parts being supplied to each station. Information furnished consisted of the item nomenclature, drawing number, quantity required, estimated unit cost and shipping date. It is estimated that information supplied was only about 60% complete. Complete information on spares costs was not available.

7. Major Marshall Dempsey: (UNCL)

Major Marshall Dempsey reported in from the Northern Disposition Task Force, AMC, this week. Assigned to Plans & Requirements Branch of Systems Integration Division, he will handle matters pertaining to supply, involving the projects latest Development Plan.

8. Technical Discussion of Subsystem I: (SECRET)

LBJS participated in technical discussion on Subsystem I Central Data Processing Subsystem in conjunction with BMD and LEM personnel. Messrs Rothman and West of [REDACTED] reviewed the status of the program and the program objectives operationally. Equipment requirements, reliability and maintainability were discussed in sufficient detail to provide LEM and BMD with necessary information to develop plans for the future maintenance of this system.

J. James S. Gray
JAMES S. GRAY, Lt Colonel, USAF
Director, Satellite Systems

[REDACTED]

Copies to: LBP
LBR
LEL

DISPOSITION FORM

SECURITY CLASSIFICATION (If any)

FILE NO.

SUBJECT

WEEKLY DIARY - 22 thru 28 May 1959

TO

LBG

FROM

IBJ

DATE

28 May 59

COMMENT NO. 1

Satellite Systems Program

Industrial Facility Conference on Expansion of Santa Cruz Test Facilities: (CONF)

DOWNGRADED AT 12 YEAR
DECLASSIFIED, DOD DIR 5200.10

A meeting was held at the contractor's Santa Cruz facility, with representatives from BMD, LBG and IBJR, to review contractor's proposal for two additional satellite system vehicle test stands at Santa Cruz. General survey of the proposed location and physical layout indicated that perhaps a more desirable location could reduce the contractor's estimate of \$5.8M. The contractor was requested to investigate the possibility of alternate site locations and furnish this complex with revised cost estimates based on these locations, which will allow supplementing existing support facilities rather than complete duplication of buildings such as ready room, workshops, etc. Subsequent meetings with the contractor at this complex, concerning alternate locations suggested, indicate that a problem of test stand separation requirements to minimize safety hazards exists. It is proposed to request a survey by munitions specialists from COAMA for guidance in establishing minimum test stand separation requirements.

Acceptance of Discoverer Flight Test Vehicle No. 6: (SECRET)

Discoverer Flight Test Vehicle No. 6 was accepted by the AF Acceptance Team on 18 May 59. This vehicle was shipped to the launch base on 19 May and is presently scheduled for a 30 June launch. There are now three accepted Discoverer vehicles at the launch base in various stages of launch preparation.

WS 107A-1/SENIORITY Activation Phasing Conference: (CONF)

A WS 107A-1/SENIORITY activation conference was held at the BMD complex on 27 May 59. Participating members in attendance represented Convair, IMSD, GE, Burroughs and BMD/BMC Project Offices. Facility BOD and equipment availability were reviewed in support of the R&D facility requirements at Point Arguello. Problem areas involved SAC support agreements for Mod II installations, finalization of the entire communication requirements for Point Arguello installation and switching mechanism for the 65-1 complex and a clarification of the beneficial occupancy date for Point Arguello installation. Principal action items are BMD's responsibility. Several small group meetings will be held during the course of the month to resolve the above issues.

DOWNGRADED AT 12 YEAR
INTERVALS; NOT UNOFFICIALLY
DECLASSIFIED, DOD DIR 5200.10

[Signature]
JAMES E. SEAY
Colonel, USAF
Director, Satellite Systems

DD FORM 96

REPLACES NME FORM 96, 1 OCT 58

16-54001-8
59LBJ-3909

DISPOSITION FORM

SECURITY CLASSIFICATION (If any)

FILE NO.

SUBJECT

WEEKLY DIARY - 15 thru 21 May 1959

TO

LBG

FROM

LBJ

DATE

21 May 59

COMMENT NO. 1

Satellite System Program

DOWNGRADED AT 12 YEAR
INTERVALS; NOT U.S. A. I. C. A. L. Y.
DECLASSIFIED. DOD DIR 5200.10.

Acceptance of Discoverer Vehicles Nos 1023 and 1029: (CONF)

The Acceptance Team convened on 8 and 18 May and accepted the two above mentioned vehicles. Each vehicle was accepted with only minor shortage items. These items were transferred to the launch site for completion. Vehicles Nos. 1023 and 1029 are scheduled for launch on 18 and 30 June, respectively.

Impact Study: (UNCL)

IMSD has been requested to perform an impact study regarding the potential steel strike. This will provide material necessary to take timely action in the event the present negotiations break down and a strike develops.

Subsystem "I" Technical Briefing: (UNCL)

This Directorate scheduled a Subsystem "I" technical briefing for the benefit of LBL. The purpose of the briefing was to familiarize personnel with the function and operation of the Data Processing Center in preparation for the scheduled Subsystem "I" Logistic Support Conference. Mr. C. B. Dougherty of R-W made the presentation.

Follow-on Contracts: (UNCL)

Proposals have been received for the follow-on contract period for SENTRY, MIDAS, DISCOVERER, tracking and control network, and spare parts. These proposals could have resulted in a definitive contract if they had been received in April. Late submittal was caused by certain reorientation actions which took place on the program, and as a result it now becomes necessary to issue a letter contract for these items. Actually, negotiation will begin on the definitive contract concurrently with issuance of the letter contract, and it is expected that the letter contract will merely provide coverage for a period of two months while evaluation and negotiation takes place.

DOD 7800.6 Applicability to Follow-on Contracts: (UNCL)

The applicability of the 8020 split on work in process has been examined and the conclusion reached is that this provision is applicable to the Lockheed programs notwithstanding the fact that there are elements of

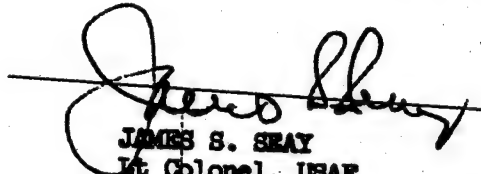
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DD FORM 96

REPLACES NAME FORM 96, 1 OCT 48, WHICH MAY BE USED.

16-54001-5 U. S. GOVERNMENT PRINTING OFFICE


R&D involved. A formula for applying this clause will be worked out with the contractor.


JAMES S. SEAY
Lt Colonel, USAF
Director, Satellite Systems

TO	FROM	DATE	COMMENT NO.
LEB	LEB	14 May 59	1

Satellite Systems Program

Subsystem "I" System Design Review: (UNCL)

Personnel from the Production and Programming Division attended a System Design Review of Subsystem "I", the ground data handling system for 117L- gathered data, at the R-W facility in Denver, Colorado. This review was also attended by the AF Estimates Board. There were no critical comments offered and it appeared that everyone attending was favorably impressed with the progress made to date on Subsystem "I".

Logistic Support Conference: (UNCL)

Personnel from the Systems Integration Division of this Directorate conducted a Logistic Support Conference during period 12 through 14 May 59 at IMED. The primary objectives of this conference were to review the contractor's logistic organization in support of R&D test phase and determine its compatibility with Air Force requirements for logistic support.

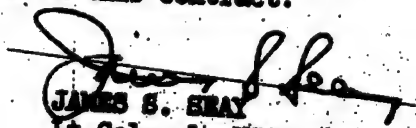
Members from LEL presented Air Force policy and concepts for logistic support to the contractor. Air Force requirements, as determined both by time phasing and major milestone actions, were also outlined with the intent to point out to the contractor the areas where they play an active part. Upon the completion of formal presentation, the conference broke up into two basic groups, one covering supply and the other maintenance. The purpose of these groups was to discuss items in further detail and identify problem areas which should be acted upon. Air Force personnel in attendance represented R&D, LEL and LBJ.

Procurement Plan for Follow-on: (UNCL)

A procurement plan has been formalized for the follow-on procurement to the existing contract which is currently completed 30 June 59. These plans will include separate item provisions for MIDAS, SENTRY and DISCOVERER.

Definitization of Outstanding CCH's in Contract AF-97: (UNCL)

Negotiations are being conducted 14 and 15 May 59 by this office with the assistance of the Administrative Contracting Officer on all outstanding CCH's on Contract AF 04(647)-97. The completion of this effort will assist in a clear identification of the overrun on this contract.


 JAMES S. GRAY
 Lt Colonel, USAF
 Director, Satellite Systems

DISPOSITION FORM

FILE NO.

SUBJECT

TO

IBG

FROM

IBJ

WEEKLY DIARY - 1 thru 7 May 1959

DATE

7 May 59

COMMENT NO. 1

Satellite Systems Program

Visit to Vandenberg AFB:- (SECRET)

DOWNGRADED AT 12 YEAR
INTE VA S; NOT AUTOMATICALLY
DECLASSIFIED. DOD DIR 5200.10

The recovery capsule to be used on the next Discoverer flight was inspected and accepted for installation on Discoverer Vehicle #1020 by an Air Force team on 6 May 59. Discoverer Vehicle #1020 is undergoing final systems tests in preparation for flight. The best estimate of Air Force and contractor personnel at VAFB is that the vehicle will be ready to be mated with the booster on the launch pad on 8 May 59 for a 21 May firing.

Overtime Utilization:- (UNCL)

The rate of overtime utilized by Lockheed Missiles and Space Division on the Satellite Program for March 1959 has risen to 11.6%. This increase from 8.9% reported in February 1959 is attributable to development technical difficulties, behind schedule recovery, failures of R&D equipment during checkout, etc. It is understood that a subsequent increase in excess of the 11.6% indicated above may be expected for short periods of time as the contractor endeavors to recover schedule.

Logistic Concept Conferences:- (UNCL)

Logistic Concept Conferences scheduled for 5 May 1959 at IMSD have been postponed until 12 May 1959 to enable interested activities to reevaluate the impact of current Air Force Maintenance and Supply policies affecting logistical support of this program.

Definitization of CCM's:- (UNCL)

The current contract with Lockheed is drawing close to completion, 30 June 1959. There are several major CCM's outstanding which must be definitized before that date. A negotiation conference has been arranged between the contractor, the AFPR and EMC to negotiate the major portion of these CCM's on 15 May. Included in this group of CCM's is the entire MIDAS effort through FY 59.

Transit II Program:- (UNCL)

ARPA Order 17-59, Amendment #4, establishes an urgent requirement for a program designated as Transit II. Action has been initiated to issue a letter contract for this program.

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REPLACES NME FORM 56, 1 OCT 48, WHICH MAY BE USED

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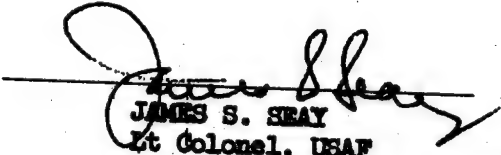
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Negotiation of Follow-on Contracts: (UNCL)

Definitive follow-on contracts for SENTRY, MIDAS and DISCOVERER were scheduled to be negotiated during the month of May. The contractor is delinquent in submitting proposals for these essential procurement actions. Expedite action on these proposals will be taken with Lockheed top management. A complicating factor in this delinquency is the fact that letter contracts covering certain efforts through FY 59 must be negotiated concurrently with the follow-on contracts.


JAMES S. GRAY
Lt Colonel, USAF
Director, Satellite Systems

DISPOSITION FORM

SECURITY () CLASSIFICATION ()

FILE NO.

SUBJECT

WEEKLY DIARY - 24 thru 30 April 1959

TO

LBG-2

FROM

LBJ

DATE

30 April 59

COMMENT NO. 1

Satellite Systems Program

Maintenance Analysis Program: (UNCL)

The first increment of the Maintenance Analysis Program report required in accordance with the provisions of WDT Exhibit 57-7 was received from IMSD. Report consisted of one set (2 boxes of IBM cards) and a master print-out. This report included the identification and analysis to component level of the following:

- a. Vehicle Number 1029
- b. Ground handling and service equipment
- c. Launch pad and blockhouse equipment
- d. System checkout equipment
- e. Subsystem checkout equipment

The data has been forwarded to the LSM for review and comments. Methods of improving the program will be discussed with IMSD after review and evaluation of data submitted.

Subsystem I System Design Review: (UNCL)

Personnel from this office attended a System Design Review of "SENTINEL" Subsystem I. This review was held at the Thompson-Ramo-Wooldridge facility at Denver. The program consisted of briefing on the technical aspects of SSI and its relationship to the SENTINEL program and demonstrations of operating development models of equipment. Discussions were also held with the R-W personnel regarding the requirement for logistics requirements being incorporated into the R&D contract.

Fire at Milgo Plant, Miami, Florida: (UNCL)

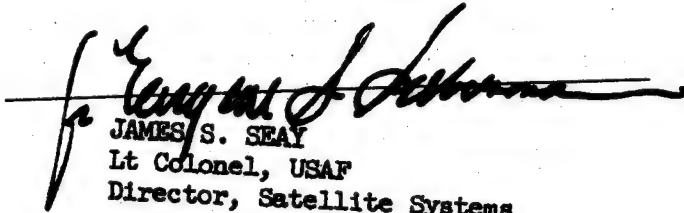
Preliminary reports are being received from IMSD as regards a fire at the above named supplier's facility. Milgo is a lower tier subcontractor for Philco engaged in manufacture of electronic equipment in support of T&A Stations for the Satellite System Program. Descriptive information of equipment damaged by direct flame, heat, smoke, chemical extinguishing agents and chemical by-products of the fire were itemized. IMSD anticipates furnishing a final impact report within a few days.

Negotiation of Follow-on Contracts: (UNCL)

Proposals for follow-on contracts are scheduled to arrive from the contractor as follows:

19
Midas - 5 May 59
Sentry - 12 May 59
Discoverer - 19 May 59

It is proposed to negotiate these programs with separate contracts. In view of the fact that these follow-on contracts must be effective 1 July 59, negotiation will commence approximately 20 May and continue without interruption until all three contracts have been negotiated. It is contemplated that no letter contracts will be used and that it will be possible to negotiate definitive contracts.


JAMES S. SEAY
Lt Colonel, USAF
Director, Satellite Systems

DISPOSITION FORM

SECURITY

CLASSIFICATION (If any)

FILE NO.

SUBJECT

WEEKLY DIARY - 17 thru 23 April 1959

TO

IBJ

FROM

IBJ

DATE

23 Apr 59

COMMENT NO. 1

Satellite Systems Program

Satellite System Briefing: (UNCL)

Personnel from this office visited SMAMA, McClellan AFB, California on 24 April 1959 for the purpose of participating in a briefing to General Price and his staff. The information being presented covered the Technical Program Status, Contract Status, the Operational Annex and Logistics. Included in the Logistics portion of this presentation was a "Procurement Support Plan" and a "Logistic Milestone Chart" showing the phasing of major logistic items required in support of the SENTRY Operational Program.

Provisioning of SENTRY Operational Launch Complex: (CONF)

Discussions have been held with representatives of SAC-MIKE regarding the SENTRY phase-in to the 65-1 complexes at VAFB. Present planning is to utilize the SAC equipment presently installed if this equipment is surplus or obsolete to SAC needs. This question must be resolved in order that we will know what items of GSE and facility type items for both the MAB area and launch pad area will have to be provisioned by the LSM. Long reorder lead time on this equipment dictates that this decision must be made as soon as possible. It is hoped that a definite SAC position will be available during the first part of May.

Expedite of Trainer Radars, AN/GPQ-TL; (CONF)

As previously mentioned, an expedite effort has been in process to accomplish delivery of three Modified AN/GPQ-TL Trainer Radars to Airborne Instrument Laboratories, Mineola, N. Y., for subsequent modification and use on the Satellite Systems Program. A target delivery date of mid-April was established for completion of this sizable task which involved kit fabrication by Gilfillan Bros. under BMC Contract AF 33(600)-31908 for Trainer Radar installation, checkout and shipment by OOAMA. Information received from OOAMA indicates the modified Trainer Radars are scheduled for delivery to AIL via Logair on approximately 26 April 59. This joint Air Force-contractor effort is cited as another example of the fine support being provided this office by the AMC system.

Strike Impact Studies: (UNCL)

This Directorate is now in receipt of final impact studies from LMSD concerning the several strikes in process at various suppliers facilities. Negligible program impact is reported in all instances.

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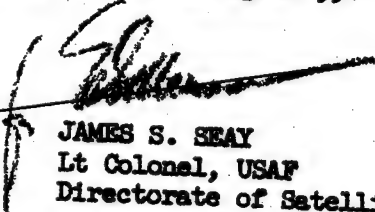
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Fire at Milgo Plant, Miami, Florida: (UNCL)

Information received from LMSD indicates a fire has occurred at the above plant. Milgo is a lower tier subcontractor to Philco and is engaged in manufacture of electronic equipment for Philco in support of the Satellite Systems Program. Cognizant local APD, AMA Air Force representatives are now engaged in investigation of the damage. Additional information will be forthcoming from LMSD on 26 April 59.


JAMES S. SEAY
Lt Colonel, USAF
Directorate of Satellite Systems

DISPOSITION FORM

SECURITY / CLASSIFICATION (If any)

FILE NO.

SUBJECT

WEEKLY DIARY - 10 thru 16 April 1959

TO

LBC

FROM

LBJ

DATE

16 Apr 59

COMMENT NO. 1

WS 117L ProgramDOWNGRADED AT 12 YEAR
INTE VALS; NOT AUTOMATICALLY
DECLAS 000.10Acceptance of Discoverer Vehicle No. 1020: (UNCL)

The acceptance team convened on 11 April 59 and accepted the fourth Discoverer flight vehicle #1020. This vehicle was, in comparison with previous acceptances, in a much improved condition. The launch of this vehicle is forecast for approximately 21 May 59.

Expedite of Inverter Problem: (UNCL)

On 13 April 59, personnel of the Production & Programming Division, this Directorate, paid a visit to Engineered Magnetics with regard to the inverter problem on WS 117L. Indications are that manufacturing difficulties are a combined result of a compressed delivery schedule commensurate with DX-rated programs and the state-of-the-art development. Experience at Lockheed with 400 cps three-phase inverter receipts shows an approximate 60% failure rate after installation and checkout of the inverters. Lockheed is endeavoring to supply Engineered Magnetics with instrumented history recordings which will facilitate necessary redesign to provide more reliable inverters. Current rate of deliveries of two per week are adequate to support schedules; however, the replacement problem must be corrected to resolve critical vehicle pre-launch preparedness schedules. Close monitoring will be maintained on this item until resolved.

Impact Studies for WS 117L Subcontractors: (UNCL)

Initial impact studies are being conducted to evaluate detrimental effects on the WS 117L program as a result of several strikes at supplier facilities. Information received from IMSD indicates negligible program impact can be expected because of the strike at Brown Instrument Division, Minneapolis-Honeywell Corporation, Philadelphia, Pennsylvania, and also the strike at General Mills, Minneapolis, Minnesota. IMSD was requested on 15 April 59 to submit impact studies to this Directorate, evaluating program impact of the actual and pending strikes in the rubber industry.

Visit to Cape Canaveral: (SECRET)

Midas facilities at Cape Canaveral were visited in a joint WDWZ-LBJ staff visit. Progress appeared to be satisfactory however, it was evident that considerable coordination was necessary between BMD offices, IMSD and Convair to resolve impending technical and scheduling problem areas. WDWZ was taking necessary action to schedule meetings for interested activities to resolve these problems. The problem areas of most concern involved the joint use of pad 14 with the Man-in-Space Program and the limited space

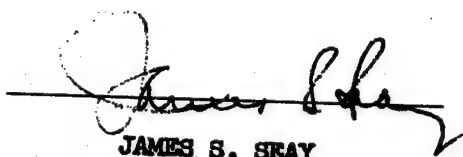
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CONFIDENTIAL

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available for the installation of all required blockhouse equipment.



JAMES S. SEAY
Lt Colonel, USAF
Director of Satellite Systems

HEADQUARTERS BALLISTIC MISSILES CENTER
AIR MATERIEL COMMAND
UNITED STATES AIR FORCE
Air Force Unit Post Office
Los Angeles 45, California

15 April 1959

Address reply to the attention of:

LBG-2

MEMORANDUM FOR GENERAL FUNK *519*

SUBJECT: Policy Relating to the Official Identification of
Projects Discoverer, Sentry and Midas

P I have this day authorized reorganization of the Directorate
of WS 117L to Directorate of Satellite Systems.

James L. Rouse
JAMES L. ROUSE
Colonel, USAF
Executive

*✓ 15 4 59, a WS 117L, Pome,
which ~~is redesignated~~
the WS 1 Satellite Systems.*

LBG-4-13-E

FILE NO.	SUBJECT	DATE	COMMENT NO.
TO LBG-2	WEEKLY DIARY - 3 thru 9 April 1959	9 Apr 59	
FROM LBJ			
WS 117L Program			

DECLASSIFIED AT 12 YEAR
INTERVALS; NOT AUTOMATICALLY
DECLASSIFIED: DOD DIR 5200.10
DSD

Acceptance of Discoverer Vehicle #1020: (UNCL)

The propellant tank, which was ruptured in preparation for hot firing tests at Santa Cruz Test Facility, was replaced and a successful firing was accomplished on 7 Apr 59. The acceptance team will convene with LMSD on 11 Apr 59 to complete the acceptance of this vehicle. The scheduled May launch of this vehicle is now considered critical due to the delay of approximately two weeks occasioned by the need for replacement of the propellant tank.

Industrial Facilities in Support of Phase I MIDAS Program at AFMTC: (UNCL)

Contractor's facilities appendix, listing required industrial facility items in support of the Phase I MIDAS program at AFMTC, has been reviewed and approved in the amount of approximately \$193,000 for industrial reserve screening. A Purchase Request is being coordinated to provide contract funds for those items not available in the industrial reserve.

Subcontract Procurement Plan for Sentry Recoverable Capsule Program: (SECRET)

One of the items in Letter Contract AFO4(647)-347 is a program to design, develop and fabricate a recoverable capsule for the Sentry program. This item is of major importance from both a technical and dollar standpoint. Many of the features of this item are similar to those of a missile nose cone. In order to assure that facilities and capabilities acquired to date in the various nose cone programs will be utilized, Lockheed was advised that the Air Force wishes to see their procurement plan, including a source list and criteria for selecting a subcontractor. On 3 Apr 59 contractor delivered his procurement plan and some discussion took place with respect to an appropriate source list. All of our nose cone contractors were added to Lockheed's list and they will be solicited. Under the procedure Lockheed was requested to follow, they should submit their recommendations for a contractor for this item to the WSFO for approval.

Discoverer Follow-On Contract: (UNCL)

Lockheed submitted a draft of their Work Statement for a follow-on contract for Discoverer. This Work Statement will cover a period from 1 Jul 59 to 30 Dec 60. The draft is being reviewed and a conference is scheduled for 10 Apr 59 to give Lockheed the Air Force's comments, which should result in correction of this Work Statement. It is expected that the complete proposal, including an acceptable work statement, will be delivered approximately 22 Apr 59.

Drafts of the Sentry and MIDAS work statements are due for preliminary review 15 Apr 59.

Subj: Weekly Diary - 3 thru 9 Apr 59

WS 117L Personnel-Training, QPRI Conference: (UNCL)

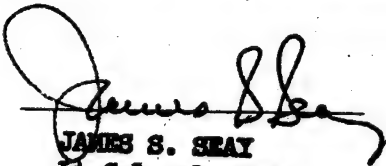
A personnel-training concept conference, co-chaired by the WS 117L Project Office and Air Training Command, was held at this Headquarters. The objectives of this conference were to (1) develop a personnel-training concept; (2) develop a plan for cadre team training; (3) develop the necessary follow-on for QPRI training; and (4) review and evaluate technical manual considerations. The more than 50 personnel attending the conference, representing Hq USAF, AFMND, Hq SAC, Hq ATC, RADC, SAC/MIKE, SMAMA, R-W, STL and IMED, working on committees chaired by ATC personnel, reviewed current WS 117L military requirements tables for the purpose of determining personnel-training requirements peculiar to the System.

TGSE Figure "A" List: (UNCL)

The initial issue of the TGSE Figure "A" List has been received by this office. Line items of TGSE covered in the list include all equipment at the tracking and acquisition stations and launch site. It is intended that further lists will include an illustration of each and item listed. Revisions to the list will be submitted each 30 days.

Site Selection Meeting (117L): (CONFIDENTIAL)

Representatives from this office attended a site selection meeting held at this complex on 7-8 Apr 59 for the purpose of establishing a site selection committee and pointing out the authority and responsibilities of this committee. The Site Selection Criteria, as published and presented by the Contractor, was approved by the Committee as revised. A Site Survey Team was appointed and will survey sites in Alaska during the week of 13 Apr 59. A general logistic evaluation is included as an item of the approved criteria. This logistic evaluation should cover all phases of operation for the site, as it is programmed that the site selected will be phased into a fully operational blue suit capability. It is felt that as a part of this logistic evaluation, special emphasis should be put on the commercial and electronic maintenance, supply and calibration capability in the local area.


JAMES S. SEAY
Lt Colonel, USAF
Director, WS 117L

FILE NO.	SUBJECT	DATE	COMMENT NO. 1
TO LBG-2	WEEKLY DIARY - 27 March thru 2 April 1959	2 Apr 59	
FROM LBJ			

WS 117L Program

Partial Lifting of Stop Work Order: (UNCL)

After review of contractor's report concerning the feasibility of converting three completed Discoverer vehicles in a JP-4 engine configuration to the current USMC vehicle configuration, the stop work order, as pertains to Discoverer vehicle Production Unit #17 and the MIDAS Program vehicles, has been lifted. The stop work order remains in effect on Discoverer vehicles Production Units 18 and 19 and completed Discoverer vehicles 1024 and 1026 pending further investigation of the possible utilization of these vehicles on other programs, or in satisfaction of other WS 117L Program requirements. It has been decided to utilize components and/or equipments from the first Discoverer vehicle #1019 on Discoverer vehicle Production Unit #17 wherever applicable.

Propellant Tank Failure: (UNCL)

Discoverer Vehicle #1020, which was undergoing final test prior to acceptance at Santa Cruz test facility, ruptured an inner propellant tank diaphragm which necessitated the removal and replacement of the propellant tank. This incident caused an approximate two week delay in the acceptance of this vehicle.

Nose Cone Ablation Data from WS 117L Flights: (SECRET)

There have been some discussions between this WSFO and WDTV concerning an idea to obtain some nose cone data from 117L flights. It was contemplated that WDTV would provide funds and some of their instrumentation requirements would be incorporated in 117L flights. This is being coordinated between WDTV, LBNH and the WSFO.

Separation of Programs: (UNCL)

It has long been recognized that it will be necessary to separate Sentry, Discoverer and MIDAS programs for several reasons. However, it was not deemed feasible to place them on separate contracts because there are a great many items common to all three programs and it would be very difficult to determine which program should bear these common costs. It was therefore contemplated that the follow-on contract would have separate line items for each of these three programs but that there would be only one basic contract. This matter is being examined in light of some inputs from USAF and it may be necessary to have separate contracts for each program with an arbitrary allocation of common costs.

Determination and Findings, 10 USC 2304a(11): (UNCL)

A request for Class Determination and Findings was made through MCPC to Hq

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IBJ, Weekly Diary, 27 Mar thru 2 Apr 59, [REDACTED]

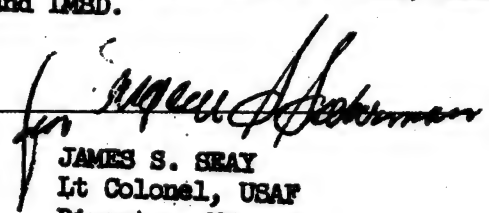
USAF in January. Telephone information was received from MGPC to the effect that approval has been withheld pending clarification of a procurement between RADC and T-R-W. Although this Eq is not directly concerned with this procurement, it was included in the same D&F since it is a part of the WS 117L program. Action is being taken to clarify the status of that procurement with relation to AFEMD IR 70-5. It is anticipated that negotiations will commence on the follow-on contract at the end of this month or early in May.

WS 117L Subsystem "I" Logistic Support: (UNCL)

P Recently a meeting was held at this office between representatives of RADC (RCNI), the LSM (SMNC), and IBJ. The primary subject discussed was the logistic requirements in support of Subsystem "I". The RADC representative recognized the need for incorporating some logistic exhibits into the next Subsystem "I" contract period. As a result of this meeting, advance information was forwarded to RCNI with the intent that it be reviewed by RCNI and the contractor and further discussed at the next meeting, which is planned to be held in the near future. Also discussed was the relationship between the LSM at SMAMA and ROAMA. This subject will be pursued and clarified by members of the LSM.

WDT Exhibit 57-3 Failure and Consumption Data: (UNCL)

IMSD and the LSM have requested authority to utilize AF Standard Failure and Consumption Codes outlined in Technical Orders 00-20E-1, 00-350-54 and AFM 66-1 in lieu of those cited in Appendix III of subject Exhibit. The use of Standard AF Codes at this time would preclude the necessity for a transition to the standard coding at a later date. Further, data obtained involving failure on Government parts and equipment could be directed to the appropriate COM for required action without consideration for code conflicts. WDCN has indicated they will favorably consider such a request since WDT Exhibit 57-3 is being superseded by WDT Exhibit 58-10, Reliability Program for ICBM Weapon Systems, now in coordination draft form. As written, WDT Exhibit 58-10 now implies the use of a failure reporting system comparable to that cited in Technical Order 00-350-45 utilizing Standard AF failure codes. Upon receipt of WDCN's approval to utilize Standard AF codes, necessary action will be taken to advise the IEM and IMSD.


JAMES S. SEAY
Lt Colonel, USAF
Director, WS 117L

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FILE NO.		SUBJECT		SECURITY / INFORMATION / ETC.	
TO IBC-2		FROM IBCJ		DATE 19 Mar 59	
		WEEKLY DIARY - 13 thru 19 March 1959		COMMENT NO. 1	

WS 117L Program

Segregation of Costs Between Satellite Programs: (UNCL)

Until very recently this Directorate was concerned with one program, WS 117L. Recently this program has been divided into three separate programs, i.e., Sentry, Discoverer and Midas. It was recognized that costs should be segregated correspondingly and action was taken with the contractor to do this. It is estimated that this operation will take approximately three months more to accomplish, and will become fully effective with the follow-on contract as of 1 July 1959. Notwithstanding the fact that it takes a considerable period of time to revise the contractor's accounting system, the office of the BMD Comptroller points to a need for an immediate segregation of costs. ARPA funds are furnished with specific ceilings applicable to specific programs. From a Comptroller viewpoint such ceilings cannot be exceeded even if there are offsetting amounts due to intermingling of costs. This problem may become acute when an anticipated overrun is submitted by the contractor.

LSM Relationship Meeting: (UNCL)

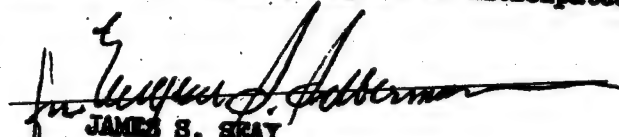
Meeting will be held on 19 March 1959 between representatives from the LSM, BMC and the AFPRO at LMD to discuss the above subject. It is intended to discuss and resolve, if possible, the responsibility for determining quantitative and qualitative requirements for budget support for the vehicle portion of the 117L Weapon System. It is also intended to resolve the responsibility for furnishing GFP and Spares therefor for the vehicle portion. Maintenance support of GFP used by the contractor in support of the R&D program will be discussed in the areas of how can the Air Force possibly provide field type support. A major unanswered question has been the distribution and responsibility of reports resulting from the logistic exhibits presently incorporated into the contract. Regarding the booster portion of the weapon system, it is intended to clearly outline the responsibility for programming AMC budget support and acquisition of supporting GFE. It is hoped that this meeting will clear up the area of confusion in regard to the relationship between this office, the contractor and the LSM.

Conclusion of Strike at Bell Aircraft: (UNCL)

The strike at Bell Aircraft facility was concluded on 16 March 1959. Certificates for Removal of critically required items for the WS 117L Program

Subject: Weekly Diary - 13 thru 19 March 1959

were processed to AMC (MCEM); however, due to the short duration of the labor dispute, action to remove the items had not been completely processed prior to the end of the strike. No adverse WS 117L Program impact is anticipated.


JAMES S. SEAY
Lt Colonel, USAF
Director, WS 117L

TO		SUBJECT		DATE		COMMENT NO.	
IBG-2		WEEKLY DIARY - 6 thru 12 March 1959		12 March 59			
FROM		IBJ					

WS 117L Program

Hi-Value Familiarization Conference: (UNCL)

WS 117L BAC project personnel with SBAMA and AMC Hq representation convened with LMSD Logistic groups to familiarize them with Hi-Valu techniques being applied in the area of controlling spares for Air Force supply functions. Mr. Harris (Hq AMC) key spokesman in the World Wide Hi-Valu conference held at SBAMA 10-12 February 1959 was one of the attendees and led the general discussions. The Contractor was very receptive to this meeting and is anxious to apply similar techniques in support of the R & D phase.

Strike at Bell Aircraft: (UNCL)

A ~~work~~out occurred at the above facility on 9 March 59. Bell Aircraft is furnishing rocket engines for the WS 117L vehicles. Lockheed presently has sufficient engines and common item support for the engines to continue uninterrupted production until 5 April 59. Receipt of impact studies indicating overall program effect for 30-60-90 day strike duration is anticipated by 13 March 59. Certificates for removal of critical items in support of special tests from the strike-bound plant are being processed as information is received from the contractor.

Overtime Reduction: (UNCL)

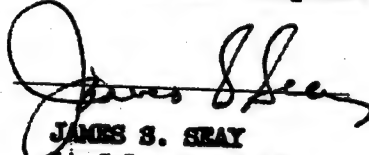
Overtime utilization by the Contractor has been steadily decreasing. Approximately 7.6% overtime was used by the Contractor in January. This reduction of approximately 5% is a result of a joint AF-Contractor effort. A general target is to maintain overtime within a 5% to 7% ceiling.

Issuance of a Stop Work Order: (UNCL)

A stop work order was issued on the last three vehicles of Discoverer and the first three vehicles of Midas. This action was dictated by the fact that three completed vehicles of an early configuration may be convertible to either one of the above mentioned series. The Contractor had been requested to submit a study and recommendations as to the feasibility of converting these early configurations but no response has been obtained from him to date. Pending a determination of the convertibility of these earlier types, it is undesirable that costs be expended on birds which could be saved by converting the obsolete vehicles.

Potential Overrun: (UNCL)

P The Lockheed contract provides for a specified number of flights, all of which are scheduled to be accomplished by 30 June. It becomes apparent that the Contractor will not be able to make all of the flights contracted for within this schedule. Obviously, all unfinished work under the contract must be considered from the viewpoint of an overrun.


JAMES S. GRAY
Lt Colonel, USAF
Director, WS 117L

WEEKLY DIARY - 27 February thru 5 March 1959

DATE 5 March 1959 COMMENT

WS 117L Program

DOWNGRADED AT 12 YEAR
INTERVALS; NOT AUTOMATICALLY
DECLASSIFIED. DOD DIR 5200.10
(UNCL)

Shaker System Requirements in Support of WS 117L: (UNCL)

A meeting was held between Lockheed, AFMSD, IEB and IEJ personnel on 27 February 1959 to discuss force-pound output shaker system requirements in support of the -97 contract. It was agreed at this meeting to provide two each 7500 force-pound output and one each 2250 force-pound output shaker systems through the facilities contract. The dollar value of this equipment is estimated at approximately \$292,150.00.

Strike Threat at Bell Aircraft and Freuhauf Trailer Co.: (SECRET)

An evaluation impact study has been conducted by IMSD regarding the above potential labor disputes. Lockheed presently has no contracts with Freuhauf Trailer Co. Detailed impact studies have been received regarding the potential Bell Aircraft strike. Bell furnishes rocket engines for the 117L vehicle. Based upon current deliveries of engines from Bell, which includes engines in the pipeline, IMSD can continue uninterrupted production until 5 April 1959, providing programmed spare parts support now available and within the pipeline is adequate. Lockheed has available engines on hand for installation through Discoverer Vehicle #15 and MIDAS Vehicle #1. Close production surveillance will continue on this potential problem until resolved.

Airlift Requirement Procedure: (UNCL)

The WS 117L airlift requirement procedure has been revised to reflect recent changes, concurred in by BMD and BAC. In the future, format reporting by the AFPR/contractor airlift team will be limited to MATS shipments C-124 or larger and/or overseas shipments; more specifically, equipments whose size exceed 8'x7'x30'. Reports will be required at this Center by the 15th of each month and will reflect the subsequent four month period. All other special airlift requirements, excluding commercial air, which are necessitated by special considerations such as handling precautions and/or security requirements, will be established by direct contact with WBSMT of this complex on a minimum notification of 10 days in advance of desired pickup.

591BJ-3838

DD

FORM 96

FEB 54

REPLACES NINE FORM 96, 1 OCT 51, WHICH MAY BE USED

U. S. GOVERNMENT PRINTING OFFICE: 1959. O - 500075

Discoverer I Flight Status: (UNCL)

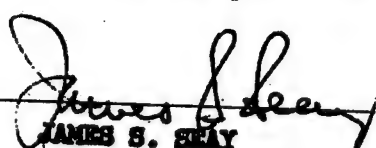
Discoverer I Flight #2 was fired 1349, 28 February 1959, from Vandenberg AFB. Lift-off and final stage boost and separation were normal. Second stage ignition and operation appeared very satisfactory, shut down was initiated by fuel exhaustion after 96 seconds of burning. First 500 seconds of tracking trajectory from the Pt. Magu and Vandenberg AFB tracking sites was successful. Telemetry data received at Pt. Magu and Vandenberg AFB was of extremely high quality, however, the telemetry ship, Pvt. Joe E. Mann, failed to receive any useable telemetry data. Positive status of vehicle entering orbit will be determined by reduction of the available telemetry data. D5D

Lead Time Commitments: (UNCL)

P L/C AF 04(647)-306 was issued for the procurement of long lead time materials which must be committed before the completion date of Contract AF-97 but will be delivered after the completion date of Contract AF-97. The latter contract will be definitized as a part of the follow-on contract.

Program Reorientation: (UNCL)

P L/C AF 04(647)-347 for the procurement of a Development Control Center and Sentry Recovery Capsule, and a CCN to provide for reorientation of Subsystem "F" were issued. An Administrative Notice dated 25 February 1959 was issued to properly reflect funds for the Discoverer effort on Contract AF-97.


JAMES S. SEAY

Lt Colonel, USAF
Director, WS 117L

FILE NO.	SUBJECT	DATE	COMMENT NO.
TO	FROM	DATE	COMMENT NO.

WEEKLY DIARY - 20 thru 26 February 1959

WS 117L Program

DCWNGRACED AT 12 YEAR
INTERVALS; NOT AUTOMATICALLY
DECLASSIFIED. DOD DIR 5200.10

Drawing Practice Survey Team: (UNCL)

Captain Venexia of LBJB participated as a member of an AFEMD Survey Team at Palo Alto during the period 16-18 February 1959. The mission of this team was to investigate the drawing practices and procedures for the XA Project at LMSD for acceptable conformance with AF standards. The two basic areas reviewed were the drafting room procedures and drawing control procedures.

Acceptance of Third Discoverer Vehicle: (SECRET) DS

The AF Acceptance Team accepted the third flight vehicle in the Discoverer configuration on 24 February 1959. The shipment of this vehicle, which is the first of the UDMH engine configuration, to the launch base at Vandenberg was effected on 25 February 1959.

Strike Threat at Bell Aircraft and Freuhauf Trailer Co.: (UNCL)

Impact studies are being conducted to evaluate the potential impact of the threatening labor disputes of the two above companies on this program. Bell Aircraft furnishes rocket engines for the vehicle and a strike at this time could seriously delay program progress. It does not appear at this time that LMSD has contracts of major importance with Freuhauf; however, this determination is now in progress.

Program Reorientation: (UNCL)

Earlier issues of this diary stated that there is a requirement to reorient this program in line with recently approved Development Plans. This action includes a technical reorientation and also a reorientation of funds. Progress in these actions is as follows:

a. Technical Reorientation

This will require issuance of two CCNs and one letter contract. One CCN has been issued, the second is being drafted and will be issued approximately 2 March 1959. A PR and work statement have been initiated for the letter contract and upon receipt of approval to issue said letter contract, it is expected that the entire technical reorientation will be accomplished Monday or Tuesday of next week.

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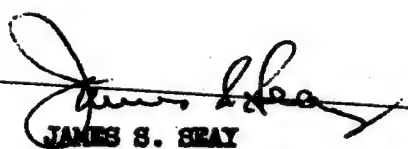
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b. Fund Program Reorientation: (UNCL)

Budgetary approval included with the Development Plan approval requires a realignment of funds. Some amounts previously obligated have now been reduced and changed to another fund appropriation. This can be corrected by means of an Administrative Notice. Sufficient funds have been provided to continue the approved program through FY 59 and these amounts will be obligated within the next 10 days.

c. Approvals Pending: (UNCL)

One Development Plan still waits approval, pertaining to Project MIDAS. The reorientation connected with this program has been authorized by means of a CCH. Budgetary limitations have been placed upon the contractor in connection with carrying out the requirements of the CCH until Development Plan approval is received. Pending such approval, the program is being funded on a piece-meal basis by both ARPA and Air Force, and consequently, the contractor is likewise being funded in this manner. The latest advices from Hq USAF indicate approval will be received on this program within one week.


JAMES S. SEAY
Lt Colonel, USAF
Director, WS 117L

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WEEKLY DIARY - 18 thru 20 February 1959

TO: ICS FROM: IBJ DATE: 20 Feb 59 COMMENT NO.:

Review of Flight Vehicle Scheduling: (UNCL) DCWNGRADED AT 12 YEAR
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An Ad Hoc Committee was formed to investigate Discoverer Program flight vehicle scheduling. Representatives from IBJ, AFPMO and the AF Plant Representative's Office, IMED, met with the contractor on 11-12 February 1959 wherein a complete review of the status of vehicles through the various processes of manufacturing and test prior to launch was made. From this data a schedule, which is considered to reflect contractor's capability for Discoverer launches, has been drafted.

Development Plans: (UNCL)

Advice has been received from Hq USAF and ARPA that the Discoverer and Sentry Development Plans have been approved. This is a significant milestone in the advancement of these programs. Certain contractual implications are involved in this approval, i.e., a fairly extensive reorientation must be made, and certain new items of work must be added to the program.

This Directorate has also received advance notice that Phase I of the Development Plan for MIDAS will be approved within the next two weeks. Receipt of that approval will also be significant to the program.

Lead Time Commitments: (UNCL)

Contract AF-97 is scheduled for completion 30 June 1959. This Directorate is taking actions which will lead to a follow-on contract 1 July 1959, without a break in contractual coverage. However, there are a number of items of material that must be ordered by the contractor prior to 30 June, for delivery after completion of Contract AF-97. Therefore, a letter contract is being written which will serve as a bridge between Contract AF-97 and the proposed follow-on contract. This letter contract will be limited to authorization for procurement of lead time commitments of material; and no reimbursement is contemplated thereunder since invoices will be payable after 30 June. This proposed letter contract has been designated AF 04(647)-306.

for Eugene J. Salzman
JAMES B. GRAY
Lt Colonel, USAF
Director, WS 117L

59LBJ-3828

Cy 1

WS 117L Program

Acceptance of WS 117L Vehicle: (SECRET)

The WS 117L Acceptance Team is scheduled to visit the contractor's plant the week of 15 February 59 for the purpose of accepting the third KRW-81, AF Serial #59-2541.

Completion of B-47 Flight Test Program in Support of WS 117L: (SECRET)

A request for disposition instructions was received from Eglin AFB covering items of GFP utilized on the now-completed flight test program 117LS-1. This program employed a B-47 aircraft specifically equipped with sensing devices designed to measure infra-red emissions from rocket flights. This flight test program was in support of Subsystem "G".

World Wide H1-Valu Conference: (UNCL)

Captain Venezia of LBJS attended the H1-Valu Conference at SBAMA 10-12 February 1959. The agenda items for the conference were generally in the area of controlling spares for Air Force supply functions with no reference to R & D support however, the techniques that were presented and discussed will be considered in their application to controlling spares support for the R & D phasing.

WS 117L Development Plan: (UNCL)

The WEPO submitted a Development Plan to DOD (ARPA and the Air Force) providing for some fund changes in FY 59, and the FY 60 requirements. With some relatively minor revisions, this document was verbally approved. Formal approval was promised upon correction of the documents to incorporate the above mentioned minor changes.

As a result of this new Development Plan, a reorientation of the program will be necessary. This action must be taken immediately since it affects FY 59. In addition to the items being reoriented, there is a requirement for several new items of work and a possible deletion of some work presently required by the contract. A conference was held at Lockheed Aircraft Corp on 11 February in this connection, and included representation from BMO, BMD, AFPR, AFAUD, and the contractor. This conference resulted in determination of the types of action to be taken. Deleted items, if any, will be terminated. Reoriented items can be made effective by means of a OGN. New items of work will be given contractual coverage by means of a letter contract, subject to

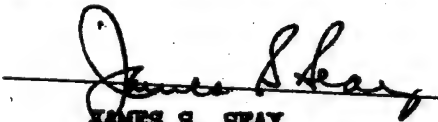
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DECLASSIFIED. DOD D.R. 5200.10



the normal approvals for that type of document.

Contract AF 04(647)-97 Reprogramming: (UNCL)

In addition to the above mentioned reorientation, the flight schedule requires reprogramming. A committee was designated to study the best approach to accomplishing ~~their~~^{their} end. This committee included representation from BMC, BMD, and the AFPRO. This committee will produce a report outlining the position in which the contractor is as of this date and this will in turn provide a take-off point from which a reprogramming can be negotiated.



JAMES S. SEAY
Lt Colonel, USAF
Director, WS 117L

TO		SUBJECT		DATE	
LBS		WEEKLY DIARY - 30 January thru 5 February 1959		DATE 5 February 59 COMMENT NO. 1	
FROM		LBS			

WS 117L Program

Expedite of Trainer Radars AN/GPQ-TL, WS 117L: (CONF)

As previously mentioned, an expedite effort is being applied for shipment of AN/GPQ-TL trainer radars, modified by incorporation of MK-381 kits, to Airborne Instrument Corporation by 1 April 1959 for subsequent modification and use on the WS 117L Program. Hq USAF has directed the allocation of the desired quantity of these radar trainers (3 each) to the WS 117L Program. This office is coordinating with Hq AMC (INEC-T), OCAMA (MLTR), and Gilfillan Bros., Inc., Los Angeles, to insure availability by the target date. OCAMA is responsible for maintenance and support of the AN/GPQ-TL radars and Gilfillan is presently fabricating the applicable MK-381 mod kits under Hq AMC Contract AF33(600)-31908.

Request for Establishment of Manufacturing Methods Project: (CONF)

As a source for auxiliary power, some versions of WS 117L vehicles utilize solar collector cells. The present supplier for these cells, Ruffman Electronics, has a limited capacity and difficulties have been experienced in obtaining collector cells of the desired quantity and quality. Action is being taken in conjunction with AFEMD and the production staff to establish a manufacturing methods project at Hq AMC to develop more suitable manufacturing techniques and productive capacities within industry for the production of these items.

AN/FLR-2 Spares: (UNCL)

Operation "Hot Hand" (Recovery Program for DISCOVERER)⁶⁵ utilizing modified AN/FLR-2 systems in the C-119A/C. Critical requirement date necessitated the need for this equipment to be contractor furnished in lieu of Government furnished. Spares support will be provided by the contractor for the initial interim critical period. After initial requirements are satisfied, it is planned that the major portion of the remaining requirement will be furnished by the Navy who has prime supply responsibility for the AN/FLR-2. This office has taken the necessary action to insure that the contractor is providing spares for the initial critical period.

[Signature]
JAMES S. SEAY
Lt Colonel, USAF

WS 117L

59124-3817

TO	FROM	DATE	COMMENT NO. 1
LBG	LBJ	29 Jan 59	

WEEKLY DIARY - 23 thru 29 January 1959

WS 117L Program

DOWNGRADED AT 12 YEAR
INTERVALS; NOT AUTOMATICALLY
DECLASSIFIED. DOD DIR 5200.10

Maintenance Support of Lockheed Operated Facilities
At Vandenberg AFB: (UNCL)

IMSD went on record citing inadequate Base maintenance support for their facilities operated at Vandenberg Air Force Base. Investigation of this situation revealed that many work orders submitted by IMSD for repair and/or maintenance and approved by the AMCLO at Vandenberg were being deferred or disapproved by Vandenberg AFB I and E office because of the lack of Base funds and/or personnel to accomplish the work. This deferral and/or disapproval was disturbing to IMSD because it represented "no action" on work necessary and approved by the AMCLO as well as required by the agreement between AFPMO and 1st Missile Division, Vandenberg AFB regarding support for Weapons System Contractors.

The impact of "no action" work orders was discussed with personnel from IMSD, AMCLO and I and E offices and it was resolved that in the event work could not be accomplished by the I & E office at Vandenberg, the AMCLO was to take appropriate action to authorize IMSD to have the work accomplished, as an item of overhead costs under the IMSD contract.

Logistic Conference: (UNCL)

Members from this office conducted a meeting at Palo Alto, attended by the contractor, AFPMO and LSM. The purpose was to review logistics requirements presently under contract and determine the capabilities necessary to meet these requirements. The subjects discussed were GFF and spares therefor, GFE spares, equipment and facilities list and the initial TIE, maintenance analysis plan, failure and consumption data, test GSE Figure "A" format and test GSE shipping list.

The subject of spares cost was also discussed. It was requested that the spares list include estimated costs and that the contractor prepare a cumulative report showing actuals plotted against an estimated sine curve. Continuous surveillance of these requirements will be conducted by this office. In addition, it is intended that this office will conduct a similar meeting at least each ninety days to review progress and determine changes and new requirements, if any.

59LBJ-3812

Douglas Spare Support Program - DISCOVERER: (CONF)

WS 117L/WS 315A EMC project personnel convened with Douglas project people 27 January 1959 to review the R & D spares inventory supporting the DISCOVERER program. This investigation brought about by Douglas expressing concern over support of project EMILY. Sufficient line items of spares are available to support the next two firings at VAFB however, subsequent resupply for additional quantities to support firing beyond this point would necessitate day to day expedite action.

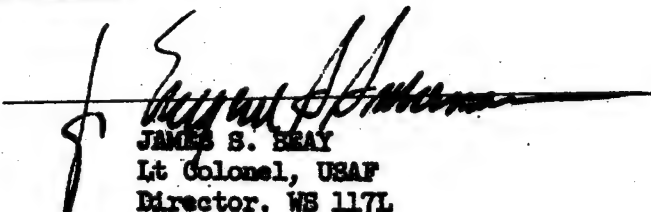
If any unusual incident should occur in the flight test program that will require immediate resupply, Douglas will require, from BMD/BMC, re-allocation guidance of spares between EMILY and DISCOVERER. Douglas predicts this situation will exist through May 1959.

Expedite of Trainer Radars, AN/GPQ-T1: (SECRET)

A requirement exists to supply AN/GPQ-T1 trainer radars, as modified by Mod Kit 381, to Airborne Instrument Corporation by 1 April 1959. Airborne Instrument Corporation will, in turn, further modify antennas and certain other equipment of the radar for subsequent use at sites for calibrating of radar signal inputs to the airborne WS 117L. Preliminary information and due to certain Air Force supply factors indicate this target date may be slightly ambitious. Expedite measures are being taken within the Air Force supply system.

Expedite of Vendor Supplied Equipment: (UNCL)

Both IMSD and Air Force production representatives of the WS 117L program recently conducted an expedite effort at Highland Engineering Corporation of Santa Monica, California. The equipment being expedited was a ten ton air conditioning van for use at Vandenberg AFB. The van is designed to furnish controlled temperatures to certain portions of the vehicle during flight preparations. The supplier agreed upon a 9 February 1959 target completion date which it was also agreed would be compatible with IMSD requirements.


JAMES S. BRAY
Lt Colonel, USAF
Director, WS 117L

FILE NO.	SUBJECT	DATE	COMMENT NO. 1
	WEEKLY DIARY - 16 thru 22 January 1959	22 January 1959	

WS 117L Program

Procurement Plan Conference: (UNCL)

DCWNGRADED AT 12 YEAR
INTERVALS; NOT AUTOMATICALLY
DECLASSIFIED. DOD DIR 5200.10

A conference was held at this Headquarters, including representation from BMO, BMD, the contractor and the AFPR to develop guidelines for follow-on contract with Lockheed. The present contract will be completed 30 June 1959, and it is essential that a follow-on contract be negotiated in order to provide continuity to the program. All efforts are being directed toward avoidance of a letter contract if possible. In order to expedite matters, the minutes of this conference are being used as the Request for Proposal.

Discoverer Nr 1 - Deferred Launch: (SECRET)

The WS 117L Discoverer Nr 1 was scheduled for launch approximately 1245 hours on 21 January. The count down proceeded very smoothly without significant holds until T minus 60. At this point, some difficulty developed in the electrical system which resulted in activation of the ullage rockets causing some damage to the WS 117L vehicle and minor damage to the umbilicals attached to the second stage.

It is understood that the booster received only minor damage, and that no damage to the pad occurred.

A rescheduling of this flight has not been made as yet, however, a second vehicle and a second booster are being moved into place and information on the rescheduling is expected shortly.

WS 117L - Point Arguello Communications Status: (UNCL)

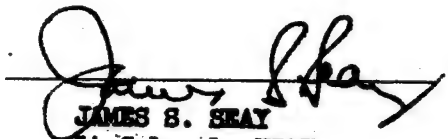
As of 20 January 1959, there was no active program in being involving the installation of the communications network for Point Arguello and necessary tie in to Vandenberg AFB, i.e., Pt Arguello Blockhouse, launch pads and MAB building. The lack of a contract with Kellogg Switchboard Company plus the non-existence of a work statement resulted in the suspension of work being accomplished by Kellogg under verbal instructions. The lack of sufficient funds to pursue the Pt Arguello communications objectives appears to be the primary reason for holding this work in abeyance. This lack of funds can be attributed to over commitments in other areas plus possibly inadequate action to program for the Pt Arguello requirements. WDSMO is now in the process of re-writing a work statement in conjunction with Kellogg. Completion of this action, coupled with an estimate of cost, should provide required information to permit necessary

591BJ-3809

[REDACTED] [REDACTED]
funding and contracting.

Spares for Mod II SCR-584 Radars: (CONF)

In early October 1958, a request was made of AMC to provide funds to procure required support for Mod II SCR-584 Radars furnished Lockheed as GFP in performance of the WS 117L contract since spares in the desired configuration were not available from Air Force supply. The estimated cost to provide this support was \$400,000, which was broken down into \$275,000 of Budget Project 431 funds and \$125,000 of Budget Project 233 funds. The P-233 funds were received during the past week (\$125,000). Continuous follow-up action with Hq AMC and USAF is being taken to obtain the P-431 fund requirements.


JAMES S. SEAY
Lt Colonel, USAF
Director, WS 117L

DISPOSITION FORM

FILE NO.

SUBJECT

WEEKLY DIARY - 9 thru 15 January 1959

TO

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FROM

LBJ

DATE

15 Jan 59

COMMENT NO. 1

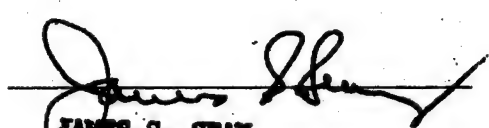
WS 117L Program

Production Surveillance of IMSD, Van Nuys: (UNCL)

Members of this Directorate recently visited the IMSD Van Nuys plant for the specified purpose of reviewing WS 117L manufacturing progress at this facility. In-house efforts on WS 117L equipment appears to be on schedule. Discussions were had on procedures governing source selection on purchased parts and subcontracted effort. It was suggested that the contractor consider the advantage of augmenting his present FGR team by the addition of a products engineering type member. This addition would tend to screen out suppliers with inadequate production capabilities.

Logistic Milestones: (UNCL)

Discussions were held with IMSD and the LSM regarding logistic requirements. As a result of these discussions and the additional work effort in the contractor's logistic section, a more definite schedule of logistic milestones was obtained. Contractor's effort in the area of failure and consumption data, maintenance analysis and Figure A list was increased. Failure reports are being collected and as of this date, approximately 275 reports are on hand. Data submittal on these subjects will be forthcoming commencing in February 1959.


JAMES S. SEAY

Lt Colonel, USAF
Director, WS 117L

FILE NO.	SUBJECT	DATE	COMMENT NO.
	WEEKLY DIARY - 2 thru 8 January 1959	8 January 1959	
TO: LEO-1	FROM: LBJ		

WS 117L ProgramDefinitization of L/C AFOL(647)-181: (UNCL)

This letter contract has been fully definitized and approved by MEPC. Contract distribution will be accomplished within the next week.

Follow-on Contract: (UNCL)

The current contract with Lockheed for WS-117L will be completed 30 June 1959. A Procurement Planning Conference has been scheduled 15 January to develop ground rules for the follow-on. Participation will include EMC, EMD, AFPR, and the contractor.

Lockheed Monthly Management Meetings: (UNCL)

Arrangements have been made to have the major subcontractors on WS-117L participate in the Lockheed monthly management meetings, held at Palo Alto, at which subcontractor will present his own charts. This will include presentation by TRW of their subsystem. This procedure will permit a complete review within one day.

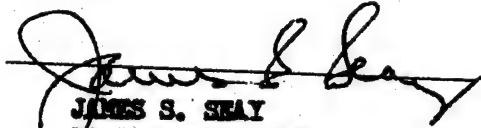
Engineering Change Proposal Procedure: (UNCL)

A meeting was held on 5 January 1959 with representatives from WDCW, LBJR and Lockheed wherein it was agreed that a streamlined EOP procedure would be instituted to control, coordinate and authorize changes to WS-117L vehicles and associated equipment. It is proposed to implement this procedure immediately.

Figure A List: (UNCL)

Requirement for format of a TGSE Figure A list has been given to the contractor. It is planned that the rough draft of the initial 117L Figure A list will be available for review during the latter part of this month. If no major changes are required after the rough draft review, the initial publication will be available approximately the middle of February. This initial publication is not expected to be complete at this phase of the

program; however, it is felt that valuable nomenclature and description can be obtained at this time.



JAMES S. SEAY
Lt Colonel, USAF
Director, WS-117L

WEEKLY DIARY ITEMS - LBTP

20 August Thru 26 August 59

(U) SR 182 Strategic Interplanetary System

General Motors Corporation returned their contract from signature with certain exceptions that have been negotiated to the satisfaction of both parties. The contract has been revised and forwarded for final distribution. ✓

(U) Communication Satellite Program

ARPA approval has not yet been received for the Evaluation Board findings. ✓

(U) Missile Valve Test Services

Finalization of Contract AF 04(647)-398 with Wyle Laboratories Inc. is still being delayed by a lack of certain information from the ACO. A follow-up was made to the Chief of the LAAPD Contract Division.

(U) Letter Contract AF 04(647) 449 Aeronutronics Systems Program 609A

This program is to be performed in various phases. The Contractor has completed Phase I and is presently in process of working on Phase II. Phase II of the program (Test Plan) will be submitted by 1 September 1959 for review and approval by AFMDD. Approval or recommendations for change of Phase II are scheduled for completion by 15 September 1959. Assuming that approval is received by 15 September, the Contractor has indicated that a cost proposal will be submitted on or about 26 September 1959. A definitive contract is contemplated by 31 October 1959.

(U) Contracts with Space Technology Laboratories, Inc.

Contract AF 04(647)-302 ABLE-3 and ABLE-4 (NASA HS-6). Additional negotiations of cost overrun and CCN Nr 1 are scheduled for 27 August 1959. Considerable difficulty has been experienced in scheduling the negotiations because of the unavailability of the Contractor's key technical personnel. LBTP is making every attempt to expedite these negotiations. ✓

UNCLASSIFIED

WEEKLY DIARY ITEMS - LBTI

20 Aug 59 Thru 26 Aug 59

(U) MIDAS

Launch Complex No. 2, Point Arguello, is being designed by The Ralph M. Parsons Company under Contract AF 04(647)-377 (\$533,832.00).

(U) SPACE SYSTEMS

Under Contract AF 04(647)-387 (\$237,155.00), Roberts & Schaefer, New York, is designing a launch complex at the Air Force Missile Test Center, Patrick Air Force Base. Design will be patterned after Launch Stands #12 and #14 at the same base.

(U) TITAN

The Ralph M. Parsons Company is designing a Silo Launch Test Facility, Vandenberg Air Force Base under Contract AF 04(647)-470. Design includes both the silo and the launching mechanism. The launching mechanism including exhaust ducts, flame deflector, access platforms, etc., will be subcontracted to A. D. Little Company, Inc.

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WEEKLY DIARY ITEMS - LBTP

13 August Thru 19 August 59

(U) Missile Valve Test Services

Stellardyne Contract AF 04(647)-397 will be forwarded for initial review on 20 August. The first test directive for this contract has been received by LBTP and will be issued upon execution of the contract. The second contract (with Wyle) is being held up for lack of ACO comments and LBPF comments. The contract itself has been written, and if the ACO and LBPF can get together, this contract should be ready for initial review next week.

(U) Scale Model Silo Launch Test Program

A TD for \$75,000 was received in LBTP on 18 August which significantly expands the scope of this program. Aerojet has expended most of the money under the basic contract. They are awaiting the CCN so they can resume testing. The TD was coordinated and returned to STL and the CCN was issued 20 August.

(U) SR 182 Strategic Interplanetary System

After six weeks, General Motors Corporation returned their contract from signature with exceptions that have yet to be negotiated.

(U) Payload and Test Contract System 609A

Negotiations of the work statement commenced this week. We hope to have the contract definitized by 31 October.

(U) Communication Satellite Program

5 The Evaluation Board has completed its deliberations and has selected the winning contractor. BMD, HMC and AMC approval of the selection has been secured and presentations are being made to the Air Counsel and then to ARPA on 18 and 19 August. Upon official approval of the Evaluation Board results, LBTP intends to issue a Letter Contract.

(U) Contracts with Space Technology Laboratories, Inc.

5 1. Contract AF 04(647)-302 ABLE-3 and ABLE-4 (NASA HS-5). Negotiations of previously reported cost over-run and CCN #1 on this contract are scheduled to begin on 20 August 1959. Considerable difficulty has been experienced in obtaining additional detailed cost information from the Contractor, both by the HMC Financial Staff and the Air Force Auditor. Notwithstanding, every effort is being made to commence cost negotiations. Negotiation of revised work statement, contract schedule and contract report requirements were completed on 14 August 1959.

2. Letter Contract AF 04(647)-369 Project MERCURY (NASA HS-36). The Air Force position relative to method of contracting for this program has been again re-affirmed with "Level of Effort" being considered the desired method. The

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Adm. Projects

WEEKLY DIARY ITEMS - LBTI

13 Aug 59 Thru 19 Aug 59

(U) SENTRY and MIDAS Tracking and Data Acquisition Station

Purchase Request received in LBTI to cover a new contract for design of additional support facilities for the MIDAS Tracking and Data Acquisition Building addition at New Boston, New Hampshire. Design shall cover support building of approximately 8,000 square feet which shall provide facilities for non-technical administration, technical supply, supply and storage, vehicle warm storage, fire truck warm storage, and building and ground maintenance. Also design of a cafeteria, 100 man capacity, and modification of Radome support structures for VAF Receiver Antennas Nos. 1 and 2. The Contractor is to provide engineer services during construction of the above mentioned facilities regarding interpretation of design as construction progresses, etc. Further, the Contractor shall design VHF Receiver Building No. 3 Antenna and Radome support structure; one (1) Traffic Check House, one (1) Boresight Tower and support utilities.

(U) Contract AF O4(647)-123, Supplemental Agreement Nr. 1, Kellogg Switchboard and Supply Company

This Amendment Nr. 1 provides procurement of communication systems for the Instrumentation and Range Safety System, WS-117L and WS-315A at Vandenberg Air Force Base. The amendment was originally executed as a letter contract and has now been definitized, manually approved by Headquarters, AMC, and distribution of the document has been made. The total amount of this procurement is \$2,289,495.10.

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WEEKLY DIARY ITEMS - LBTP

6 August Thru 12 August 59

(U) High Speed Liquid Rocket Sled

Proposed Contract No. AF 04(647)-467 with Coleman Engineering Company, Torrance, California for the procurement of one liquid rocket sled, spare parts, and over-haul has received preliminary review. It is anticipated that the contract will be forwarded for the contractor's signature in the very near future. The Definitive Contract's estimated distribution date of 20 August 1959 appears realistic.

(U) Missile Valve Test Services

Both contracts for missile valve test services (Wyle Laboratories and Steward-Dyne) are being written by the LBPP Legal Section and will be sent out for signatures during the week of 17 August 1959.

(U) Pay Load and Test Contract System 609A

Negotiations on the Work Statement are scheduled for 18 August 1959.

(U) Contracts with Space Technology Laboratories, Inc.

1. Contract No. AF 04(647)-309 for Systems Engineering and Technical Direction in support of the Ballistic Missile Program was distributed on 7 August 1959. As a result of extraordinary expeditious processing action, a considerable dollar savings was effected. The Contractor had proposed to return to the Air Force fixed fee in the amount of \$15,000 if the Definitive Contract was received by 25 August 1959 and for every day earlier than the 25 August date an additional \$1,000 per day was offered. Supplemental Agreement No. 2 to the contract is presently being processed to reduce the fixed fee by \$33,000. Change Order No. 1 is also being processed to allot additional funds to the contract. In addition, CCN No. 1, calling for STL's participation in the Interservice Radiation Measurement Program (IRMP), was issued effective 10 August 1959.
2. Contract No. AF 04(647)-302, NASA Project HS-6 - ABLE-3 and -4. Depending on receipt of proposal evaluations (cost), negotiations relative to CCN #1 and contract over-run are tentatively scheduled for the week of 17 August 1959. The funding status on this contract remains critical. Somewhat relieving this state is receipt of additional funds from NASA in the amount of \$1,500,000, presently being placed on the contract via Change Order No. 4.
3. Letter Contract No. AF 04(647)-369. Project Mercury (NASA) - Negotiation of the contract Work Statement began on 6 August 1959. However, immediate difficulty arose as to proposed Work Statement and method of contracting (i.e., Task Type Vs. Level of Effort). The meeting was adjourned with the Contractor to request a resumption of discussions after a re-evaluation of its position relative to this question.

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WEEKLY DIARY ITEMS - LBTI

6 Aug 59 Thru 12 Aug 59

(U) WS 117L SENTRY, Vandenberg Air Force Base

Advanced information received by LBTI that design of an addition to the Data Requisition and Processing Building at Vandenberg Air Force Base of approximately 4,000 square feet of floor area is required. Design for modifications to the DA&P Building will also be accomplished as required to accommodate the additional structure. It is contemplated that a new contract will be issued to the Ralph M. Parsons Company as the original design of the DA&P Building was accomplished by this firm under Contract AF 04(647)-201 which has been completed.

Two PR's were received by LBTI covering changes required to the VHF Receiver Building and new design for storage facilities. These PR's cover the advanced information reported last week. Contractor's proposal requested and Supplemental Agreement to Contract AF 04(647)-310 .. with Ralph M. Parsons Company will be processed upon completion of negotiations.

(U) Contract Awarded Stromberg-Carlson

As of 10 August 1959, Stromberg-Carlson was brought on board as an Associate Contractor for the Titan Program. It is proposed to enter into a Letter Contract as of that date with costs accruing from 10 August 1959. Stromberg-Carlson has established a program and is proceeding rapidly to implement our desires.

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WEEKLY DIARY ITEMS - LBTP

30 July Thru 5 August 59

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~~(S)~~ 1960 Communications Satellite Program

A request for execution of a Secretarial Determinations and Findings, authorizing negotiation of contracts for the Communication Satellite Program under 10 U. S. C. 2304(a) (11), has been forwarded to Hq AMC (MCPC) for review and for submission to Hq USAF for Secretarial signature. Originally, it had been expected that any necessary D & F would be executed by ARPA, however, there now appears to be some reluctance on the part of ARPA to sign Findings. Although presently the lack of Findings is not hindering the procurement, a prolonged delay in execution would cause a delay in award of contract. For this reason, the Findings are being processed in an expedited manner.

(U) Contracts with Space Technology Laboratories, Inc.

1. Definitive Contract No. AF 04(647)-309. The Definitive Contract was forwarded to Hq AMC for review by MCPC and Secretarial approval. Every effort is being exerted to expedite this contract inasmuch as a monetary incentive proposed by the Contractor allows for a considerable dollar savings as a result of expeditious review, approval and distribution of said contract. Lt. Colonel Karlin, BMC Liaison Officer at Hq AMC, has been alerted regarding the importance of expedite handling of this contract. It is contemplated that the review of the contract will be completed by 7 August and returned to this Center by approximately 10 August.

2. Contract No. AF 04(647)-302 - Project ABLE-3 and ABLE-4. LBTP is awaiting receipt of Cost and Price Analysis on CCN #1 from applicable BMC organizations. Upon receipt of said analysis, appropriate negotiations will be scheduled to definitize CCN #1 to the contract. Change Order #3 was distributed 30 July, obligating \$1,300,000 to the contract which funds the Contractor's efforts through approximately 7 August 1959. Notwithstanding this additional obligation, the funding situation on this contract remains in a critical status. Additional funds have been requested from NASA to allow the Contractor to continue work without interruption due to lack of funds.

3. Letter Contract No. AF 04(647)-369 - SE/TD for Project MERCURY. Definitization of this Letter Contract is scheduled to begin on 6 August with the parties meeting to discuss contract work statement and terms and conditions. It is contemplated that negotiation of estimated cost and fee will begin approximately 11 August.

4. Contract No. AF 04(647)-361 - SE/TD for TIROS and TRANSIT 1a and development, fabrication and Launch for Projects TRANSIT 1b and COURIER 1a and 1b, and SE/TD for Communications Satellite - The Contractor is presently in the process of preparing new and revised proposals to cover the above programs. Said proposals are due on or about 14 August 1959.

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59-LBTP-4384

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WEEKLY DIARY ITEMS - LBTI

30 Jul 59 Thru 5 Aug 59

(U) WS-117L Sentry Tracking and Data Acquisition Station

Advance information received by LBTI that the existing air conditioning and electrical systems of the VHF Receiver Building at Vandenberg Air Force Base will require necessary design to provide for changes in the systems to accommodate the building addition being designed by Ralph M. Parsons Company under Contract AF 04(647)-310. Reference is made to the information reported last week, that two Storage Buildings are to be designed for the Tracking and Data Acquisition Station and that either a Supplemental Agreement to an existing contract or a new contract would be required to cover this design. Due to the action required as outlined in the above paragraph, it has been determined that a single action will be most advantageous; therefore, a Supplemental Agreement will be issued to Contract AF 04(647)-310 to cover the services outlined above.

(U) WS-133A Facility Criteria, Studies and Concepts

Advance information has been received by LBTI that changes are necessary in connection with the services being performed by Ralph M. Parsons under Contract AF 04(647)-337 for Missile Silo and Closure Analysis and Criteria, and that a Purchase Request is being processed.

(U) WS 107A-1

Letter Contract AF 04(647)-452 is being processed for the procurement of A-E Services for design of WS 107A-1 Launch Facilities (Silo) at Lincoln Air Force Base. The Bechtel Corporation has been selected as the A-E Contractor. Estimated cost of this procurement is \$950,000. The design effort is to commence immediately and be completed by 30 December 1959.

Definitive Contract AF 04(647)-400 has been awarded to the Bechtel Corporation, San Francisco Office, to secure Engineering Research to determine the feasibility for using energy from nuclear and other sources both conventional and unconventional, to supply utility services to hard and superhard installations housing missiles and/or personnel suitable for normal services before, and emergency services during and after a nuclear attack. Negotiated price of this procurement is \$74,070.00.

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WEEKLY DIARY ITEMS - LBTP

23 July Thru 29 July 1959

(U) Contracts with Space Technology Laboratories, Inc.

1. Letter Contract No. AF 04(647)-309 (which is being superseded by Definitive Contract AF 04(647)-309) has been further amended (Amendment No. 8) to allow 90% reimbursement to the Contractor. For this increase in current reimbursement, the Contractor offered a \$15,000 reduction in fee. The Contractor has received copies of the definitive contract for signature on 29 July 1959. It is contemplated that said definitive contract AF -309 will be forwarded to Hq AMC for review and approval by the Secretary by 31 July 1959. A further decrease in fee has been offered by the Contractor if the Air Force will secure manual approval and distribution prior to 25 August 1959.

2. Contract No. AF 04(647)-302 - Projects ABLE-3 and ABLE-4. Change Order No. 3 to subject contract was processed on 27 July 1959 increasing the estimated cost by \$1,300,000. The Contractor's proposal 26-45 covering a cost over-run on the basic contract plus additional work is presently being evaluated. Negotiations will be scheduled upon receipt of appropriate proposal evaluations.

3. Letter Contract No. AF 04(647)-361 - SE/TD for Tiros and Transit, 1a, Communication Satellite, and SE/TD and Flight Test for Transit 1b and Courier 1a and 1b. The Contractor is scheduled to submit a proposal covering the revised work requirement by 31 July 1959.

(U) High Speed Liquid Rocket Sled

Negotiations were held on 27 July 1959 with Coleman Engineering Company, Torrance, California for the procurement of one rocket sled, spare parts, and overhaul. Coleman's quotation of \$612,000 was negotiated to a fixed price of \$588,000; which is considered fair and reasonable by the Negotiating Team. The definitive contract is scheduled for distribution on or about 20 August 1959. It is anticipated that the steel strike will not interfere with the fabrication and delivery of the sled.

(U) Modification of Calibration Laboratory, Vandenberg AFB

A Purchase Request has been received by LBTP covering the modification of the Standards Laboratory fabricated by Cook Electric Company under Contract No. AF 04(647)-320. The modification will increase the calibration capability and accuracy of the laboratory. A proposal from Cook Electric covering the modification should be received by LBTP on or before 14 August 1959.

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WEEKLY DIARY ITEMS - LBTI

23 Jul 59 Thru 29 Jul 59

(U) WS 117L SENTRY Tracking and Data Acquisition Station

Advanced information received by LBTI that changes in design to the VHF Radome Support Structures at Ottumwa, Iowa are required. Contract AF 04(647)-356 with Kirkham, Michael & Associates of Omaha, Nebraska will be modified to cover the changes necessary to comply with Lockheed Missiles and Space Division Drawing FL-SK-176 dated 9 July 1959 entitled: "Test Tracking Stations, Radome Criteria".

Advanced information received by LBTI that additional facilities consisting of a Receiver Area Storage Building and a Transmitter Area Storage Building in connection with Tracking and Data Acquisition Station at Vandenberg Air Force Base are to be designed. Contractor to be Ralph M. Parsons Company of Los Angeles, California. Original design for the Tracking and Data Station was designed by said firm under Contract AF 04(647)-201 which has been completed. Either a new contract will be issued or a Supplemental Agreement to an existing contract.

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WEEKLY DIARY ITEMS - LBTP

16 July Thru 22 July 1959

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(U) High Speed Liquid Rocket Sled

Proposals from the two solicited sources were received on 6 July 1959. A technical evaluation was made and the Evaluation Board Report was approved on 20 July 1959. Negotiations are scheduled to begin on 27 July 1959 with the definitive fixed price contract scheduled for distribution on 12 August 1959. The steel strike may cause a delay in the program since this sled uses a particular type of steel. This will be clarified in the negotiations.

(C) Communication Satellite Program

During the period 15 through 17 July 1959, oral presentations were given to the Source Selection Board by the 14 responsive offerors.

(U) Missile Valve Test Services

A copy of the Air Force Audit Report on Wyle's Time and Material proposal was received on 20 July 1959. The ACO claims that his work load is too heavy to permit furnishing an immediate written commentary but he did state over the telephone that he would simply concur with the auditor's report. Therefore, negotiations will be commenced with Wyle on 22 July without benefit of the ACO's comments (utilizing the Audit Report) so that this contract may be executed as soon as possible.

(U) Atlas Display Missile

Change Order No. 1 to Contract AF 04(647)-357 was forwarded for initial and final review on 22 July to fund a \$56,000 over-run. CCN No. 1 was issued 17 July to provide for modifications to the display at an estimated cost of \$10,000.

(U) Contracts with Space Technology Laboratories, Inc.

1. Contract No. AF 04(647)-302, Projects ABLE-3 and ABLE-4. A PR for an additional \$1.3 million has been received. Upon receipt of the funded ACD from WDCA, Change Order No. 3 will be processed to add \$1.3 million to the contract. We contemplate issuance of this Change Order by 23 July 1959.

2. Letter Contract AF 04(647)-309, SE/TD for the Air Force Ballistic Missile Program. Amendment No. 7 adding \$10 million to the Letter Contract was signed by the Contracting Officer and sent to STL for signature on 21 July. Negotiations on the balance of the unresolved points of the Terms and Conditions (including "equivalent Man-Months definition") are in process with the EMC Contract Writers and the Staff Judge Advocate participating.

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WEEKLY DIARY ITEMS - LBTP

9 July Thru 15 July 1959

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(U) Missile Valve Test Services

The Stellardyne contract (AF 04(647)-397) has been negotiated and is being written. Latest information from AF Auditor on the Wyle Laboratories' Time and Material proposal indicates their accounting system will not adequately support a T&M contract until a year of actual experience has elapsed. However, it is to the best interests of the Air Force to use a Time and Material contract. Therefore, a meeting of all interested parties will be held to try to iron out the difficulties. The Audit Report will be available on or before 20 July. There are no emergency requirements awaiting the award of this contract, however, four components now at Edwards AFB which need to be tested could be readied for this purpose three or four days after the contract is executed. These four components must be tested by Wyle because Stellardyne cannot test these types of components.

(U) Payload and Test Contract, System 609A

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Work under Letter Contract AF 04(647)-449 is being started. The BMD Project Engineer and the Aeronautics Project Engineer are travelling to Patrick AFB and all the ARDC Centers in order to firm up the requirements. Negotiations for definitization are scheduled for 27 July 1959.

(U) SR 182 Strategic Interplanetary System and SR 192 Strategic Lunar System

Mid-term briefings for both of these Study Requirements are scheduled for the week of 27 July for both the funded and the unfunded contractors. The final reports for both SR's are due in February 1960.

(U) Titan Ducted Launcher Test Program

Definitive Contract AF 04(647)-373 was sent to Aerojet for signature on 14 July. It has taken some time to definitize this contract due to the facilities question but the definitive contract is expected to be signed off by 17 July 1959. The Project Engineer is presently preparing a TD which significantly expands the testing to be performed under this contract.

(C) SR 183 Lunar Observatory

CCN #2 was issued to Boeing Contract AF 18(600)-1824 to provide for a \$15,000 expedition to the top of Mt. Rainier to simulate living conditions on the moon.

(U) Contracts with Space Technology Laboratories, Inc.

1. Contract AF 04(647)-302, Projects ABLE-3 and ABLE-4. There have been no additional developments on this contract during the last week. The PR for the additional \$1,300,000 has not yet been received in LBTP making it impossible to increase the amount of money obligated on the contract. STL advises that the amount of money presently allotted was exhausted on 10 July 1959. The BMD Project Officer is making a follow up on the PR and additional funds will be obligated upon receipt of the PR.

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WEEKLY DIARY ITEMS - LBTP

2 July Through 8 July 1959.

(U) - Contracts with STL, Inc.

1. Contract AF 04(647)-302 Projects Able-3 and Able-4. STL's proposal 26-45 is being reviewed by AFEMD Technical Personnel and EMC Pricing personnel with comments relative thereto due by 17 July 1959, after which negotiations will be scheduled. Information has been received that NASA has provided additional funds in the amount of \$1,300,000, which funds will be immediately obligated to the contract to permit the contractor to continue work under the contract.
2. Letter Contract AF 04(647)-309 SE/TD for the Air Force Ballistic Missile Program. The Definitive Contract is undergoing final revision and should be ready for official initial review by 10 July 1959. The fixed fee is still in process of negotiation, but indications are that this problem should be resolved within the next several days. Relative to funding, additional FY 60 funds in the amount of \$10,000,000 have been received by AFEMD and will be obligated to the Letter Contract upon receipt of a PR in this amount. Upon obligation of the above funds, no further funding problem is anticipated prior to the issuance of the Definitive Contract.
3. Letter Contract AF 04(647)-361 covering Projects Tiros, Transit, Courier and Communications Satellite. Amendment No. 2 which covers SE/TD for Communication Satellite was distributed on 7 July 1959. STL's proposals for the Tiros, Transit and Courier Projects are due by 24 July 1959 and for the Communication Satellite by 17 July 1959.
4. Letter Contract AF 04(647)-369 SE/TD for Project Mercury. STL has submitted a revised proposed Work Statement for the Definitive Contract which has been reviewed by EMC/EMD. Additional discussions on this proposed work statement have been scheduled for 9 July 1959.

(U) Missile Valve Test Services

We have encountered difficulty in securing the Administrative Contracting Officer's comments on Wyle Laboratories' Time and Material proposal of 28 May. Apparently, Wyle's accounting system leaves something to be desired, and the ACO hesitates to recommend the T and M contract. The ACO's comments have been promised for 13 July 1959.

(U) Titan Missile Display

A Purchase Request for \$1.00 has been received for the procurement of a Titan Missile Display from The Martin Company of Baltimore. Contract AF 04(647)-451 should be executed by 30 July 1959. Action has been taken to provide The Martin Company with the GFP (the missile and the two trailers) necessary for the display.

WEEKLY DIARY ITEMS - LBTP

25 June 59 Thru 1 July 59

(U) Missile Valve Test Services

Negotiations were completed with Stellardyne Laboratories, Inc., for a Time and Materiel Contract, AF 04(647)-397, which should be in operation in about three weeks. There remains the negotiation with Wyle Laboratories which will be undertaken as soon as their T and M proposal (Rates and Accounting System) is approved by the ACO.

(U) Payload and Test Contract - Systems 609A

The Evaluation Board Report was approved Friday, 26 June 59. The successful offeror, Aeronutronic Systems, Inc., was placed under letter contract (AF 04(647)-449) on Monday, 29 June. Aeronutronic's proposal was in the amount of \$1,660,000 estimated cost for a cost reimbursement type contract. Letters to the unsuccessful offerors were mailed on 30 June.

(U) Long Range R&D Valve Program

AF 04(647)-163 with Garrett Corporation Air Research Division. A change order is being issued to allot additional funds required to cover the overrun on the contract. Execution and distribution of the change order will be made by 9 July 1959. Changes in the work statement referenced in last week's diary will be accomplished at a later date by Supplemental Agreement to the contract.

(U) Model AJ 10-33 Liquid Rocket Sled

A request for Proposal was forwarded to the two selected sources for this item. These two sources were selected on the basis of their experience on this type of work. Proposals are to be submitted no later than 6 July 1959. Issuance of a contract covering this requirement is scheduled to be completed by 30 July 1959.

(U) Contract with STL, Inc.

1. Contract AF 04(647)-302 - Project ABLE 3 and 4. STL's Proposal 26-45 was received as scheduled on 26 June 1959. It covers the cost overrun on the basic contract in addition to other work generated as a result of the redirected ABLE 3 and 4 program. The proposal is presently being reviewed by the appropriate technical and pricing offices, and upon receipt of their comments negotiation will commence. Our scheduled negotiation date is 17 July 1959.

25 June - 1 July 1959

2. Letter Contract AF 04(647)-309-SE/TD for AF Ballistic Missile Program. The definitive contract is undergoing JAG review and initial review by BMC Procurement Committee (LBPC) pending negotiation of the Fixed Fee. To avoid a funding problem pending receipt of FY 60 funds, amendment Nr. 6 to the Letter Contract was processed obligating \$962,948. This amount when added to funds previously obligated will cover the contractor thru approximately 17 July 1959 by which time FY 60 funds should be available.

3. L/C AF 04(647)-361, Covering Projects Tiro, Transit, Courier and SE/TD for Communications Satellite Program. Amendment Nr. 2 which covers SE/TD for the communication Satellite Program has gone to STL for signature. STL Proposals are due for the Transit and Courier Projects by 24 July 1959 and for the Communication Satellite by 17 July 1959.

4. L/C AF 04(647)-369 - SE/TD for Project Mercury. STL has submitted revised proposed work statement for the definitive contract which BMC/BMD is currently reviewing. Negotiations will be scheduled upon completion of the review now in process.

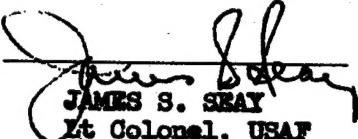
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4. Status of 65-1 Complex: —(SECRET)

Insofar as SAMOS program is concerned, AFEMD was advised that the Air Staff is still considering the ultimate utilization of 65-1. The most recent message from Hq USAF dated 21 August 1959 has requested AFEMD and SAC to give a briefing involving the pros and cons of utilizing 65-1 Complex as a SAMOS launch facility. The presentation is scheduled to be made 28 August 1959 at Hq USAF. A firm decision regarding the ultimate utilization of 65-1 will enable this office to take positive action in providing the SAMOS program with the required booster GSE support.

5. MIDAS Reprogramming: (UNCL)

A joint BMD/BMC meeting was held here with IMED on 26 August 59 for the purpose of redirecting contractor efforts in the MIDAS program. The program now contemplated is an R&D effort leading to a flyable operational prototype vehicle. The work statement and cost proposal will be submitted by the contractor in October 59 with sufficient detail for definitization along with DISCOVERER and SAMOS proposals. This reprogramming is a result of the lifting of program restrictions by ARPA.


JAMES S. SEAY
Lt Colonel, USAF
Chief, Satellite Systems

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